FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1851.—Vol. XLI.

LONDON, SATURDAY, FEBRUARY 11, 1871.

(SUPPLEMENT) {PRICE FIVEPENCE.

OF THE

MINING EXCHANGE.

THE COMMITTEE of the MINING EXCHANGE hereby
NOTIFY to the PUBLIC that ITS MEMBERS are PROHIBITED, by the
Rules of the Institution, from ADVERTISING SHARES at FIXED PRICES.
London, February 3, 1871.

W. E. JOHNSON, Secretary.

MR. JAMES CROFTS, STOCK AND SHAREBROKER,
No. 1, FINGH LANE, CORNHILL.

(ESTABLISHED 1842.)

The high price of this creating an immense demand for shares in good tin minos. At the ROCHE CONSOLS TIN MINE large returns of tin can be made at a cost of about £30 per ton. Black tin is now over £30 per ton. There are five lodes opened upon in the set; one that has been driven upon is worth 30 lbs, of tin to the ton of the lode. The supply of tinstuff is practically inexhaustible, and the agent states that profits will be returned to the shareholders directly the machinery, which is now in course of crection, is completed. Mr. Chop'rs Specially Recommends the theory of the celebrated Goss Moors, from which millions worth of tin have been raised.

Bankers: Motropolitan Bank.

Bankers: Metropolitan Bank.

Bankers: Metropolitan Bank.

M. R. W. H. B U M P U S, STOCK AND SHAREDEALER, following SHARES, free of commission:

30 Aberdaunant, 25s. 6d
50 Anglo-Argent., 10s 9d
10 East Grenville, £3½,
75 Anglo-Brazil., 4s. 9d.
15 Asshoton, £4½,
20 Bwich Consols, 35s 6d
15 Asshoton, £4½,
20 Bwich Consols, 35s 6d
100 Gen. Brazil., 20s.
25 Brynyswitch.
20 Bronloyd, £2½,
25 Bwadrain Con., 7s
15 Caldbeck Fells, 15s 6d
150 Chontales, 11s, 3d.
10 Carn Camborne, £2½,
10 Don Pedro, £2 13s, 9d
150 Drake Walls, 21s, 6d,
25 Dern'alt, 31s,
25 East Lovell.
25 Penne of Wales, 35s
W. H. B. transacts business in every description of shares at the best market prices, and free of commission.

Bankers: Metropolitan Bank.

Bankers: Metropolitan Bank (Limited), Cornbill, E.C.

JOHN RISLEY, (SWORN) STOCK AND SHAREBROKER, 48, THREADNEEDLE STREET, LONDON, E.C.
Bankers: London and Westminster, Lothbury.

MR. Y. CHRISTIAN, STOCK AND SHAREDEALER,
11, ROYAL EXCHANGE, E.C.
Bankers: Bank of England.

MR. G. D. SANDY, 48, THREADNEEDLE STREET,
RECOMMENDS for IMMEDIATE PURCHASE the following shares,
and can afford reliable information respecting the same: - Van Consols, South
Condurrow, West Jowell, Hobb's Hill, West Esgair Lie, and Tamar Valley.
SPECIAL BUSINESS in all these shares.

SPECIAL BUSINESS in all these shares.

MR. THOMAS ROSEWARNE, 81, OLD BROAD STREET,
LONDON.
WANTED TO BUY, for cash or account, the following shares:—
70 Bedford United.
80 Great Wheal Vor.
100 Chiverton Moor.
100 Carn Camborne.
150 Old Treburgett.
100 Pedro.
100 West Basset.
100 West Basset.
100 West Rose Down.
100 Wheal Crebor.
100 Wheal Crebor.

JOHN LEAN, M.E., AND CO., STOCK AND SHARE DEALERS, 5, AUSTINFRIARS, OLD BROAD STREET, LONDON, E.C. J. L. late manager of Silver and Copper Mines, Chill, and more recently from Corpusall. J. D. face manager of Silver and Cornwall.

Gold, Silver, and other Metallic Mines examined, surveyed, and reported on at home or abroad.

at home or abroad.

Stocks or shares negociated in every kind of available security.

Stocks or shares negociated in every kind of available security.

Stocks or shares negociated in every kind of available security.

We advise the immediate purchase of the TERRAS TIN shares, and can offer
35 or any less portion, if applied for at once, at £3 each. This extraordinary
mine has just sold an additional parcel of tin, 5 tons, at £76 i5s, per ton; and
from information received they will soon double, if not treble, their returns.
Those who retain their shares will be the best remunerated. Terras must soon
go in the Dividend List.

Also the fully-paid ABERDAUNANT shares. These will have a considerable
rise. The mine is looking well throughout.

We strongly advise the purchase of shares in the EAST LLANGYNGG at £2 5s,
each. It is believed this mine will give a dividend from the sale of lead within
a short period from the registration of the company.

J. L., having recently returned from Wales, is in a position to give clients the
best information and advice touching those mines of interest.

Our Guide to Investors is now ready for issue. Copies forwarded on application, free to clients.

M. R. GEORGE BUDGE, STOCK AND SHAREDEALER,
No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, R.C. (Established
21 years), is a SELLER at net prices of:—
5 East Lovell, 10 Great Vor, 50 Van Consols, 60 Prince of Wales, 30 Roman
Gravels, 15 South Condurrow, 5 Tankerville, 2 West Chiverton, 50 East Gronville, 50 Plynlimmon, 40 Drake Walls, 1 Devon Great Consols, 30 Bwich Consols,
2 Wheal Jane, 50 Trevarrack, 100 West Pant-y-Go, 25 Rose and Chiverton United,
50 West Tremayne, 15 Polbreen, 20 New Lovell, 80 East Chiverton, 100 Eellpse,
200 Anglo-Brazilian, 150 Taquaril, 150 General Brazilian, 200 Ross Grande,
Mr. Budge advises the purchase of Bwadrain Consols shares. If Investors
compare this mine with others selling at higher prices, they cannot fail to retogalise in it a bona fide undertaking.

BRONFLOYD MINE (LIMITED).—FOR SALE, in One Lot, ONE HUNDRED SHAKES in the mine (to cover an advance), at 498.

Address, GEORGE BUDGE, 4, Royal Exchange-buildings, London, E.C.

THE ROMAN GRAVELS LEAD MINING COMPANY (NEAR THE SNAILBEACH AND TANKERVILLE LEAD MINES, SHROPSHIRE).

Particulars of this Important and Profitable Lead Mine are to be found in ETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST SYNOPSIS OF CORNISH AND DEVON MINES," &c., of Friday, Feb. 10

No. 621. Further particulars will be given in future Circulars.

MR. PETER WATSON, STOCK AND SHAREDEALER, 79, OLD BROAD STREET, LONDON, E.C. Bankers: The Alliance Bank, and Union Bank of Lond

PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST-SYNOPSIS OF CORNISH AND DEVON MINES," of Friday, Feb. 10, No. 621, price 6d, each, forwarded on application, contains in-formation on the leading mines of Cornwall and Shropshire.

M B. E D W A B D C O O K E,
STOCK AND MINING SHAREDRALER, 76, OLD BROAD STREET
LONDON, E.C.
Bankers: Alliance Bank.

W. H. C. U. E. L. No. 42, CORNHILL, LONDON, E.C. Daily price-list on application.

M R. T. A. MUNDY, STOCK AND SHAREDEALER, 38, BISHOPSGATE STREET WITHIN, E.C. Bankers: City Bank.

Bankers: City Bank.

M. R. W. TREGELLAS, 122, BISHOPSGATE STREET
WITHIN, E.C., transacts BUSINESS in all descriptions of SHARES
on the most favourable terms, particularly the shares of Gold Mines with which
he is fully acquainted.
TAGUARIL continues to open out in the most satisfactory manner; the stamps
are in full work, and regular returns of gold being obtained, which will rapidly
increase. The mail arriving this week brings accounts from the manager to the
end of December, who reports having a large quantity of stuff on hand to keep
the stamps constantly at work, besides box work daily obtained from the rich
shoots on both lodes, and, as the mine is now dry, no further hindrances are
likely to interfere with the progress of the different operations.
ECULPSE.—The letters from Captain Barratt to the end of December report a
most important discovery of a new lode of silver of extraordinary richness,
which, in fact, doubles the value of the property, and is in addition to the valuable gold lodes: it is from 6 ft. to 20 ft. wide. A piece of the rock, weighing
150 lbs., is reported to be worth from \$150 to \$200 per ton for silver alone.
This mine is likely to take rank amongst the most valuable in the country, both
for its great extent and richness in gold and silver.

W. T. is prepared to give reliable information to his cilents upon both these
properties, to which his attention is almost exclusively directed.

MR. E. J. BARTLETT, STOCK AND SHAREDEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C., transacts business at net prices in every description of security.

SPECIAL BUSINESS in Frank Mills, Great Western, Caldbeck Fells, West Godolphin, Wheal Agar, West Tankerville, and East Seton shares.

Eight edition. Post free for seven stamps HOW TO INVEST, AND WHAT TO SELECT:
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LONDON, E.C.

Bankers: National Provincial Bank of England.

FOR SALE, at prices affixed:—
10 Aberdaunant, £ 110s, 40 fet. Wh. Lovell, £114
10 Blue Hills, £2 10s, 40 fet. Wh. Lovell, £114
10 Blue Hills, £2 10s, 40 fet. Wh. Lovell, £114
10 Blue Blue, £2 10s, 40 fet. Wh. Lovell, £114
10 Blue Blue, £2 10s, 40 fet. Wh. Lovell, £114
11 guld, 10s, 40 Terras, 4

SILK AND CO., STOCK AND SHARE BROKERS,
CHIEF OFFICES: 32, RECENT STREET, W.
CITY OFFICES: 16, MARK LANE, E.C.
We are prepared to negociate the purchase or sale of STOCKS and SHARES at the closest market prices, for CASH only.
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FRANK LIMMER, Secretary.

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TENDERS given for the supply of flagging and of cisterns in any number and of any size.

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OFFICE,—8, OLD JEWRY, E.C.

Agent for Slate—Mr. Hollick, Cement Merchant, East Greenwich,
SILK AND CO. can offer to their clients a few Debentures on this valuable
property, bearing 7½ per cent. Interest.

M. R. THOMAS THOMPSON, JUN., STOCK AND SHAREDEALER AND MINE AGENT, 5, WHITEHALL, S.W. Mr. THOMPSON advises the Immediate purchase of THORNHLL REEF GOLD shares (Victoria). The issued capital is only £15,000, which amount will contrast favourably for dividends with some of the more pretentious companies having immense capital. The mine is fully proved, and has large reserves

Read Mr. THOMPSON'S "FINANCIAL CIRCULAR," post free Archar Mr. THOMPSON'S "FINANCIAL CIRCULAR," post free for six stamps.

Mr. THOMAS THOMPSON, Jun., Stock and Sharedealer and Mine Agent, 5, Whitehall, S.W.

ENDEAN AND CO., STOCK AND SHARE DEALERS, BRITISH and FOREIGN STOCK, SHARE, and MINING OFFICES, SS., GRACCECHURCH STREET, LONDON. E.C.

TERRAS TIN MINE.—These shares should be bought. If applied for at one we can sell any portion of 35 shares at £3 each. It is believed they will got £20 per share. We have received reliable information from a private party resident in the district that the time is not far distant when this mine will return the first of the state of the s

seeper share. We have received remains information from a private party resident in the district that the time is not far distant when this mine will return from 20 to 30 tons of tin, worth £76 l5s, per ton, per month. The company is limited. We advise only limited liability companies, cautioning investors to avoid the Cost-Book System as they would a serpeut.

ABERDAUNANT is looking sphendid throughout, and is bidding fair to be another Van. The Van lode will yield 4 tons of lead per fathom. Investors may take their agents, or go and see for themselves. These shares will have a considerable advance in price, and should be bought for investment.

We especially advise the purchase of EAST LLANGYNOG shares, at £2 10s. each. From the important discoveries already made, and the quantities of ore being brought to surface, containing rocks of solid lead from 1 ewt. to 7 cwts. each, and parcels of ore going into the market within a few weeks of the formation of the company, and knowing the adjoining mine on the same lode has paid over £1,000,000 in profits, we feel assured this mine will be in the Dividend List almost immediately. We strongly advise it to our clients, and would suggest that, from the great success of this undertaking, other properties are being secured in the district bordering upon the same name, but should be dealt in with great success.

aution.

Mr. ENDEAN, having recently returned from the Welsh mining districts, is in a position to advise whether to buy or sell in either mine now before the public.

All negociable stocks dealt in for cash or account. Our bureau of mines and guide to bona fide investments, with price current, will be ready for issue next week. Forwarded free on application to clients.

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(0 West Maria, 33s. 9d.
(10 W. Tankerville, £3%.
(20 Carn Camborne, 38s. 9 20 East Linagynog, £2%.
(27 New Grassington, 14s.
(20 Roman Gravels.
(20 Farst Lovell, £32%.
(20 East Lovell, £32%.
(20 East Lovell, £32%.
(20 East Lovell, £32%.
(21 Gravelle, £38s.
(22 East Lovell, £32%.
(23 Gwydyr Park.
(24 Holmbush and Kelly
(25 Great Royalton, 22s.
(26 Harewood Consois, £3.
(27 Harden)
(27 Harden)
(28 Harewood Consois, £3.
(28 Ovart Ornsois, £3.
(29 Ovar Consois, £3.
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(29 Ovar Consois, £3.
(20 Ovar

Van Consols.—I advised the purchase of these shares at 30s.; they are now 3, and good to buy.

EAST LLANGYNOG shares are in demand at an advanced price, and should be

th at once. Ist Jewell, Taquaril, South Condurrow, West Maria, Terras, and Great Vot strongly recommended.

A Daily List of Closing Prices sent to clients free on application.

Bankers: London Joint-Stock Bank.

NOTICE OF REMOVAL.

HOOKE AND CO., STOCK AND SHAREDEALERS, LIFE, FIRE, AND MARINE INSURANCE AGENTS, have REMOVED their OFFICES to to-9, UNION COURT, OLD BROAD STREET.

9, UNION COURT, OLD BROAD STREET.

We recommend investment in the ABERDAUNANT LEAD MINING COMPANY (Limited), in the Van district, on the Van lode. This mine is now making good returns of ore, and a third parcel of lead is being prepared for market; also in the EAST LLANGYNOG LEAD MINING COMPANY (Limited), the shares in which, as we anticipated, have advanced in price, and should be purchased immediately, as the price is still rising. Investors are advised to purchase quickly into Mexican mines, the richest field now offered for English enterprise. We are always in possession of the earliest and most reliable information. The GUATAMOZIN, advised exclusively by us, has risen in value in six months from £240,000 to £960,000. We are in a position to do even better with another mine. Confidential information to clients only.

At the rate of One Guinea per annum, we give investors information not legitimate mining properties in the United Kingdom.

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ients.
FOR SALE:—Aberdaunant; 40 Terras, fully paid; 40 East Llangynog, £2 55;
East Terras, fully paid, £1; New Rosario, fully paid, £15s.; 20 Cwm Ricket;

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DALS at the "ROYAL EXHIBITION" of 1851; at LEXHIBITION" of 1862, in London; at the "IM-Redd in Parls, in 1855; at the "INTERNATIONA" in 1865; at the "UNIVERSAL EXPOSITION." in "GREAT INDUSTRIAL EXHIBITION," at Altona,



DICKFORD, SMITH, AND CO., f TICKINGMILL. CORNWALL, MANUFACE THERES of PATENT SAFETY-FUSE, having been in comed that the name of their firm has been attached to the stock of their manufacture, beg to call the attention of their firm and public to the following announcement:

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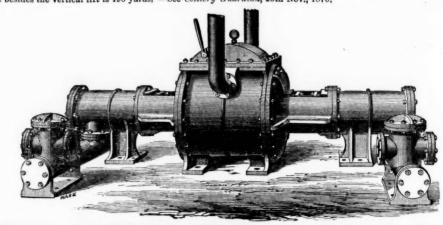
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WORKS: REGENT'S PLACE, COMMERCIAL ROAD EAST, LONDON

CHAS. PRICE AND CO.'S RANGOON ENGINE AS SUPPLIED TO H.M. DOCKYARDS AND FLEET.



THIS OIL is suitable to every kind of Machinery. As a lubricant it is equal to the best Sperm or Lard Oil, while it possesses the great advantage of being entirely free from any principle which will corrode the metal bearings.

For particular kinds of Machinery, the Oil may be specially prepared of a consistency and character adapted to the nature of the work to be done.

"Chemical Laboratory, 7, Printing House-square, Blackfriars, April, 1869.

"I herewith certify that the Rangoon Engine Oil, manufactured by Messrs. Chas. Price and Co., is free from any material which can produce corrosion of the metal work of machinery. It is indeed calculated to protect metallic surfaces from oxidation.

"The lubricating power of this oil is equal to Sperm or Lard Oil.

"T. W. KEATES, F.C.S., &c., &c.,"

Every parcel of the Oil sent from the works bears the Trade Mark of the Firm.

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ULTRA" RESPIRATOR, PLUS

Coal Mines, Fire Brigades, Gas Companies, Breweries, Foul Wells, Chemical Works, Steam Ships, &c., &c.

This NEW RESPIRATOR is offered to the public as an INVALUABLE MEANS for SAVING LIFE and PROPERTY. CERTIFICATE.

"I have used it successfully at several fires, and can with confidence recommend it as one of the most useful inventions that has ever been discovered to assist firemen in the discharge of their duties,

(Signed)

ALFRED TOZER,
Superintendent Fire Brigade, Manchester."

PRICES:—No. 1, £8 8s.; No. 2, £9 9s.; No. 3, £10 10s. Goggles for firemen 10s. each extra. Lamps for collieries extra.

For particulars, apply to-

JAMES SINCLAIR, 46, CORPORATION STREET, MANCHESTER; 9B, NEW BROAD STREET, LONDON.

HARLECH SILVER-LEAD, COPPER, ZINC, AND SULPHUR MINING COMPANY (LIMITED).

Capital, £25,000, divided into 5000 shares of £5 each.

To be incorporated under the Companies Acts, 1862 and 1867.

To be incorporated under the Companies Acts, 1862 and 1867.

Deposit £2, to be paid on application. The balance as follows:—£1 on the 29th of April, £1 on the 31st of July, and £1 on the 31st of October.

No further liability.

Power is taken under the Articles of Association to issue share warrants to bearer, and subscribers will have the option of paying up in full, as per Form of Application accompanying the prospectus.

Dividends will be receivable in proportion to the amount paid upon each share to the application accompany.

The property is held on a lease for 2! years from August, 1868 (a renewal or new lease will be granted if desired), at the moderate dues of 1-14th, and no dead rent.

DIRECTORS.

JOHN ROBERT BANNER, Req. Walton Park, Lancaster, THOMAS POCOCK, Esq., Lansdowne Road, London, W.
THOMAS CATTELL, Esq., M.D., Strand, JUSEPH ALLEN, Esq., Park Road, Haverstock Hill, N.W., and Corn Exchange. E.C.

THOMAS SPARGO, Esq., Gresham House, E.C.—Manager. Exchange. E.C.
THOMAS SPARGO, Esq., Gresham House, E.C.—MANAGER.

BANKERS-IMPERIAL BANK, Lothbury, London, E.C. SOLICITOR-JOSIAH BERRY, Esq., Walbrook, E.C. SECRETARY-Mr. FRAS. H. HEARN. OFFICES,-GRESHAM HOUSE, OLD BROAD STREET, E.C.

PROSPECTUS.

PROSPECTUS.

This company is formed for the purpose of purchasing and working the Harlech Mines, which are situated in the parishes of Liandanwg and Lianfihangel-y-Traetham, in the county of Merioneth, North Wales.

The sett is very extensive, and is traversed by several lodes of the richest description. Operations have been carried on for e.veral years, and a large profit has been realised from sulphur ore alone, which article is used for the manufacture of sulphuric acid. The works are now in a position to return 40 tons per day, irrespective of the silver, lead, and copper ores.

The death of the principal proprietor is the cause of this valuable property passing into the hands of the present company, it having become necessary that his interest in the undertaking should be disposed of.

The sulphur ore was only one of the products of these veins or lodes, the most valuable yield consisting of silver-lead, copper, and zinc ores; the late proprietary, however, declined to erect machinery necessary to utilise it, the object being to work for sulphur only.

It has been ascertained beyond all doubt, by the workings, that the abundance of the more valuable ores which exist can be rendered highly remunerative at a comparatively small outlay, and in a brief period. The mine has been, and still is, a profitable concern, but its value will become greatly enhanced, and increased dividends may with every certainty be relied upon after the necessary machinery has been erected.

From the subjoined reports of the highest authorities it will be seen that the orea are more than usually rich, and that the facilities for raising them are exceptionably favourable, whilst the terms of the lease, and the liberality of the land proprietor, are unexampled.

The accompanying reports so clearly set forth the exact position of the mine that the directors deem it unnecessary to offer any description, and only add that they purpose adopting the most approved machinery and appliances, with the exercise of the soundest practical economy

that the process of the soundest practical economy in working the exercise of the soundest practical economy in working the suring permanent prosperfly is £15,000, £6 00 of which is to be paid in cash, £2000 on the 20th March, 1871, £200 on the 20th September, 1371, and the balance (£200) on the 20th March, 1872, and £2000 in fully paid-up shares, upon the terms of a contract dated the 21st day of January, 1871, and can be seen at the offices of the solicitors of the company.

Any further information required by intending subscribers may be obtained upon application at the offices of the company, as also an order to inspect the support.

REPORTS.

HARLECH COPPER, LEAD, AND SULPHUR MINES, IN THE COUNTY OF MERIONETH.

ppon application at the offices of the company, as also an order to Inspect the property.

REPORTS.

HARLECH COPPER, LEAD, AND SULPHUR MINES, IN THE COUNTY OF MERIONSTH.

Jan. 7.—These mines are situated about one and a half mile north of the ancient castle and village of Harlech, on a western spur of the great Snow-donian range, celebraced from the most remote antiquity for its prodigious yield of minerals of twenty of the remote antiquity for its prodigious yield of minerals of variety of the remote antiquity for its prodigious as equivalents to elvans; these are again crossed by enormous sund erratic veits as equivalents to elvans; these are again crossed by enormous sund erratic veits as well as nomerous true east and west lodes and contras or lodes having bearings approaching the cardinals of north and south. Where these form junctions they usually create, as in the Harlech Mines, large and valuable deposits of metallic ores. That the locality was well appreciated in ages long passed is evidently to the Harlech. The chief of the victor of the contrast of the support of metallic oper ores, the "old men" (knew not the use and value of the sulptur ores in this country, which as will be seen in the sequel promises to become a highly important and remunerative staple adjunct to the Harlech Mines property, though by no means to be held as a primary object of the undertaking. The act is very extensive, being more than one and a-half mile square, and any first advantages for mining, having a huge one. It possesses numerous and large advantages for mining, having a huge one. The possesses numerous and large advantages for mining, having a huge one of the city and the property, though divide any advantages for mining purposes, grows on the mine, and by the half and the privalent of the country of the cut which to drive the levels. Glose to the entrance of the levels are advantages for all inding purposes, grows on the mine, and, by the any quantity, suitable for all inding purposes, grows on the mine, and, by the ha

dividend, second to few in the Principality or elsewhere. Mundle is said to "ride a good horse," and as I firmly believe in the maxim, and as the mundle and horse are to be seen, the mine can be easily and extensively wronght by levels alone for many generations. In conclusion, allow me to say that in my experience of 40 years I never saw any mine with so great and so substantial proofs of becoming a leading one; only a little time and capital being vouchsafed, I feel confident that the mine will not only sustain its prestige as dividend-paying, but will gradually increase the profits to any extent that you may think proper to develope the splendid lodes.

EXTRACT FROM REPORT OF CAST, PHILLIPS.

EXTRACT FROM REPORT OF CAPT. PHILLIPS.

After frequent surveys, he remarks: "Had this valuable property been in Cornwall I could easily obtain you £25,000 for it at once for lead alone. The leader of lead is now? I inches solid, and the pyrites 3 ft. solid at the breast-heads, and a large quantity of rich lead ore lying at the banks. The general character of this mine is very similar to the Great Laxey Mines, with the additional advantage that here every fathom driven in length is equivalent to several feet in depth as the superincumbent mass gets higher over head."

EXTRACT FROM REPORT OF CAPT. EDWARD LLOYD.

EXTRACT FROM REPORT OF CAPT, EDWARD LLOYD.

Jan. 26, 1871.—"The discovery of lead in this mine holds good, the string
when first found was but very narrow, but has gradually improved, and it is at
present from 12 to 15 inches wide at the forebreast in the addit end, and going
down very strong. We have a good looe in the middle level, which also is gradually improving. The driving here has been extended 9 fathoms further on
than the addt, and the vein 1s from 9 to 10 feet wide at the forebreast. It has
always been my ophrion that we have one of the best mines in Wales, and as
soon as the necessary dressing machinery is erected large dividends will be
paid; in fact, the pyrites alone will pay for working and secure a profit."

CAPT. WILLIAM HARPER, of Cornwall, who surveyed the mine says, as to cost of raising:—" Taking into consideration that every ton of stone raised from the headings, and by stoping the backs in a manner so as to be always opening

the mine in a thoroughly practical and miner-like way, the cost of the saleable pyrites when cleaned and ready for shipment, including wear and tear, will not exceed 8s, to 10s, per ton; but my confidence is reposed in the lead produce, which, with the sulphur, is there, so that anyone may perceive it."

N.B.—It will be seen by the proposed mode of working the cost of dressing the sulphur will be very greatly reduced.

From Prof. WHITE, Assayer and Analytical Chemist, 25, Finsbury-place, London, E.C., 19th January, 1871. SAMPLE MARKED "SULPHUR ORE."

THE CASTLE AU DINAS TIN MINE.

THE CASTLE AU DINAS TIN MINE.

This property, once known as the Royalton, is now again in full work. The company has been registered under the Limited Liability Acts, 1862 and 1867. The vendor guarantees a dividend of 10 per cent, for three years.

To show how far the company were right in purchasing this property, it may be stated that, at a cost of less than £100, £250 of tin has been sold, and, as the works were left in such a sad state, the mine can only just be said to have started; however, now the works both at surface and underground are all in splend d working order, and there is a good batch of tin well on for the next sale. It is a well-known fact that the tin from this mine (and over £10,000 has been sold) is of the very highest quality, and brings the highest price of the market. Nearly all the work is done by contract, and the men earn good wages. The quantity of tin-bearing stuff in reserve is enormous, and will last at the present rate of consumption for some dozens of years.

Views have been taken of the surface-works of the mine, and may be obtained by shareholders on application to Mr. G. H. POULTON, of Torquay, who also has the remaining unplaced shares for sale at £2 each, fully paid.

Oniginal Connespondence.

PROVIDENCE MINES.

SIR,—We must request that you send us the name of the correspondent whost letter appeared in the Notices to Correspondents of last week's Journal. We feel persuaded that no one of the 250 shareholders cattered over Great Britain and the Continent could have sent such a communication of neglect to the Mining Journal,—and we wish you to insert this in your next issue.

Penzance, Feb. 8.

Samuer Higgs And Sons, Pursers.

EAST LOVELL.

EAST LOVELL.

SIR,—Allow me a line in the Journal to reply in part to the remarks of Messrs. Quentrall, Rogers, and Michell. Absence in Cornwall prevents my entering in detail into all their remarks, suffice it to say that the plan I sent you was made three weeks before it was inserted in the Journal, and consequently the tin ground may have been diminished considerably. This presumption would seem warranted by the remarks I have heard from more than one or two agents who are thoroughly conversant with the mine, that "the plan is far too favourable." Is this the sense in which Captain Quentrall says it is incorrect? When people descend to argue on motives their weak case exposes itself. I need, therefore, make no remarks on what people say, but let them show where I am wrong. Capt. Quentrall says, "the nearer the granite the richer the tin" - ergo, nearer exhaustion, which has been the pith of all my remarks on this mine. If anyone can correct the plan, or expose any motive than that of the interest in legitimate mining, I shall be glad to go into details.

H. WADDINGTON.

EAST LLANGYNOG MINE.

SIR,—I was surprised and annoyed at seeing a report in the Mining Journal of Dec. 31, of this mine, purporting to have come from me, and stating the lode to be worth about 1000, per fathom: words that I never could nor did make use of, when, in fact, I have not inspected nor reported on this mine for the last 11 or 12 years.—Graeg-las, Llangynog, Oswestry. Feb. 7. JAMES THOMAS,
Late manager of the Llangynog Mines.

NORTH TRESKERBY MINE.

NORTH TRESKERBY MINE.

SIR,—The meeting of this mine, which took place on Tuesday, must have shown Cornish pursers that the day has gone by for them to act in defiance of the wishes of the shareholders. There were nearly 50 shareholders present who supported Mr. H. L. Phillips and Capt. R. Pryor, and extried the resolutions which will be shortly in the hands of the shareholders. Mr. B. Matthews thought he could do Capt. Pryor mischief by issuing a pamphlet of misstatements, but, to the credit of the Cornish shareholders, they mustered in strength to support Capt. Pryor, and passed a resolution expressive of their confidence in him, and what he had done for the benefit of the mine and the shareholders. Fancy a purser telling the shareholders that he protested against being turned out of office four months ago, and that he considered he was entitled to salary for the period he had been discharged, and that he meant to claim it. His efficiency may be judged by the fact that an item of 1041. In his last accounts was stated to be for subsist to the miners, but which appears to have mainly consisted of count-house expenses. The shareholders, however, would not pass the item in question, and it is to be gone into by the present executive. I have attended many mine meetings in Cornwall in the course of my life, but I was never so pleased as with the result of the North Treskerby meeting on Tuesday. A REDRUTH ADVENTURES.

THE VIRTUOUS LADY MINE,

THE VIRTUOUS LADY MINE.

Sir,—I have just returned from an inspection of this mine, where reports of recent great improvements had attracted me, and I regret that want of time precludes my giving a full account of the aspect of matters there. I wish to say, however, in a few words, that the shaft is now holed to the great south lode, where an immense deposit of rich ore is being laid open. The agent, I see, values the part of the lode carried at 50l, per fathom, but taking in the full height and width (as far as seen) of the lode that figure does not represent even an approximation of its value. It is indisputably a magnificent deposit of ore, such as the old mine was famous for, and as there are at the distance of only a few fathoms two other lodes of the same description the new mine must be a great viecess.

a few fathoms two other lodes of the same description the test mine mass we a great success.

The tin lodes also, at the other end of the sett, are rich. Immediately oprosite, and separated only by a stream of water, is the "Gem" Minc, which, after only three months' working, has some tons of tin ready for the market, and will pay a dividend at the end of the current month. The Virtuous Lady has the same lodes, and apparently the better parts of them. The stamps were started on Saturday, and tin will soon be sent to market. Altogether the success of the mine seems assured.—Feb. 10.

JUCUNDUS.

MINING IN CARDIGANSHIRE-CONTRACTING.

MINING IN CARDIGANSHIRE—CONTRACTING,

Sir,—Seeing a letter under this head in the Supplement to last week's Journal.

signed "Merchant," wherein the writer seems to deprecate the system of advertising and contracting, amongst other matters which he brings forward, I think the remarks can only be made in allusion to myself—being, I believe, the only one in this county connected with mining at a present, who in the eyes of "Merchant" carries out such a dreadful system.

However, the advantages of contracting must be obvious. It relieves the shareholders from any uncertainty as to time and the outlay required, and ensures the work to be done in a proper manner before paying for I; whitst on the other hand time wasted and work improperly done has not unfrequently led to the abandonment of mines that otherwise would have proved successful. Bosides, contracting generally leads parties to see what has been done for themselves, and which at the same time gives an opportunity for the general inspection of the property.

selves, and which at the same time gives an opportunity for the general inspection of the property.

Having had upwards of 30 years' experience of the mines in Cardiganshire, and having dialled, surveyed, and mapped more than 9-10ths of all of them, as well as being called to report on properties in America, Norway, Isle of Man, Cornwall, and Devon, and nearly every mineral county in England and Wales, I think it not impossible that I may have as much right to assume the much-coveted title "Merchant," as the writer of the letter referred to has to entitle himself a "Merchant."—Goginan, Feb. 7.

ABSALOM FRANCIS.

MINING SHARES-BROKERS' PRICES.

SIR,—I am utterly at a loss to fathom what I see and read in the advertisements of mining sharebrokers, and naturally fall back upon you for information—Editors being supposed to know everything, however incomprehensible to ordinary folk. To begin, then: In last week's Journal a prominent firm advertise Aberdaunan, 5.f. fully-paid shares, at 30s. each. I turn to the Mining Share ordinary folk. To begin, then: In last week's Journal a prominent firm advertise Aberdaunant, 51. Intily-paid shares, at 30s, each. I turn to the fining Share Lists, and find them quoted at par, ousiness done. I then turn to the firm page, and find many shareholders strongly recommending them to be bought at par, for an investment or for a rise. Take, again, the Terras Tin Mine shares. The Mining Share List says the last business done was at 31.; the brokers recommend them to be bought at once at this price for an immediate rise, and still, Mirabile dictu. In more than one place in your issue of Jan. 28 these identical much-vaunted shares are actually offered from 30s, to 28s, each.

Now, how pray is all this? If the shares offered at lower prices are bona fide, how have those offering them at 51, and 31, respectively the impudence—to use a mild expression—to do so; but 11, on the other hand, the latter sharebrokers are offering them at a fair market price, are not the absurdly "low quotation" givers advisedly trying to depreciate these shares, and is it not questionable if they would ever deliver the shares at the price they quote the supplement.]

[For remainder of Original Correspondence see this day's Supplement.]

AMERICAN SECURITIES.—For the information of those interested

spirit of caution prevails, which renders impossible a repetition of the speculative excesses of late years. There is an excellent price list appended to the

Meetings of Mining Companies.

MWYNDY IRON ORE COMPANY.

MWYNDY IRON ORE COMPANY.

The ninth annual general meeting will be held on Wednesday.

The report of the directors to be submitted states that the receipts for 1870 amounted to 34,1724.88, 3d., and the expenditure to 22,1374.84, 4d., showing a profit of 12,0374.38, 1d., out of which 6364.188, 1d., has been paid for interest, and 11,3774. 138, has been carried to the credit of the profit and loss account. A further sum of 70004, has this year been paid off the mortgage debt. the funds for which were provided by the issue of mortgage debentures for stood, and 24004, paid out of, and debited to, the profit and loss account, in addition to 10004, already charged to that account, and used in the payment of the 70076, or mortgage instalment paid last year; thus leaving a balance at the credit of the profit and loss account of 56571.88, 104. The directors recommend a dividend of 4s, per share free of Income tax, amounting to 80004, leaving a balance of 18674. to be carried forward. The total indebtodness of the campany on mortgage and mortgage debentures is now reduced to 10,0004. The directors have determined to make search for iron ore in a property addining the Mwyndy property, and containing the same geological features, and arrangements have been made with the vendors for that purpose.

The report of the directing managers (Messrs, John Taylor and Sons) stated that the quantity of iron ore raised last year was 64.101 tons, or 942 tons more than in 1869, and more than in 1809, the various levels in the mine have not been so productive as in former years, and have consequently not laid open so much ore ground; but there are still several points levels in the mine have not been so productive as in former years, and have consequently not laid open so much ore ground; but there are still several points of wood promise, and the trials are being vigorously pushed forward. The profit made during the last year has been satisfactory, and a good commencement has been made for the earrent year.

NORTH TRESKERBY MINING COMPANY.

NORTH TRESKERBY MINING COMPANY.

A general meeting of shareholders was held at the account-house, on Tuesday,—Mr. H. L. PHILLIPS (of London) in the chair.

The accounts showed a debit balance of 12344, 13s, 5d., the loss on the four months ending with December amounting to 417t, 12s, 3d.

The agent's report was read, and also the reports of Captain T. Richards and Captain Jennings. The conflicting nature of these reports was the subject of considerable discussion, but the feeling of the meeting was strongly in favour of Captain Pryor, and his report was adopted. The accounts were passed, and a call of 4s, per share was made.

The CHAIRMAN then read the statement of accounts presented by the late purser (Mr. B. Matthews) in which a sum of 102t, out, which had been charded as subsist, was placed as an asset of the company. This the Chairman asked for an explanation of.

Captain PRYOR, the manager, stated that no such sum each to have been charged; and, after some further examination of the books, it was elfolted that the whole of the amount was not actually advanced as subsist to the interes, but that some other charges, amounting to 3dt, should have been charged to petty cash. It was resolved that the settlement of the disputal accessaries left to the Chairman and the late purser.

The CHAIRMAN, who it may be mentioned held 1200 shares, read a letter from Mr. Downing, the lords' agent, re-petilize an another long for an extension of the sett, and was of animo light the groups have found for an extension of the sett, and was of animo light the groups have found for an extension of the sett, and was of animo light the groups have found in the set and was of animo light the groups have found as an account of the sett and was of animo light the groups have found in the set and was of animo light the groups have found in the sett and was of animo light the groups have found in the second account of the set and was of animo light the groups have found in the second account and the second and the second and the second

The CHAIBMAN, who it may be mentioned held 1900 shares, read a letter from Mr. Downing, the lords agent, repecting an amplication for an extension of the sett, and was of opinion that the ground he of read then was not sufficient. It was decided that this matter should be let in the hands of the myser and manager to obtain such an extension of ground as may be necessary for the effectual working of the mine.

It was then resolved "That the thanks of the meeting be given to Captain Pryor, and that the meeting expresses their mashed confidence to him."

A vote of thanks to the Chairman terminated the presenting, who stated that be had received several telegrams during the progress of the meeting recording some hundred of additional votes in his favour.

CWM DWYFOR COPPER AND SILVER-LEAD MINES

COMPANY.

The general meeting of shareholders was held at the company's offices, St. Clement's House, City, on Monday,
Mr. JOSEPH HOPGOOD in the chair.

The report and statement of accounts were received and adopted. The retiring directors were unanimously resched. Messes, W. A. Brawae and James Smith having been duly nominated and seconded were elected directors. Mr. Edward Brooks was elected anditor.

The report of Mr. George Henwood, C.E., on this extraordistricty property having been circulated among the propeletors, Mr. Henwood, were was present took occasion to confirm his statements as to the properties of the indice, and adverted especially to the great impatus which would he gives by the destruction of the property by the construction of the ranking From the mines in Ford Madoc, which will shortly be completed.

CARDIGAN BAY MINING COMPANY.

CARDIGAN BAY MINING COMPANY.

By order of the board, the following enquiries were sent to capt. 6. Williams on the 30th ult.:—1. The exact quantity of drawest over. 2. The quantity brakhan and ready for dressing.—3. When you will be ready to sample, and what amount?—4. The exact condition of the mine. If is an were is approached.

Previously to the annual general meeting, which will be shaped in a further and independent agent will be employed for to the negarizers of our man nager's answers, as, if he he not too sanguine, it will be precived that, notwithstanding the many disappointments and delays, the shareholders peases a very valuable property.

Peb. 4.—In reply to your letter of Jan. 20, I has to forward you the following information:—1. The quantity of dressed ore is about 28 toos.—2. Too quantity of ore already broken and available for dressing is about 28 toos.—2. I should be ready to sample from about 50 to 60 toos on March 1 mays.—4. Candistan of the Mine: The lode in the 10, west of engineeds, it, is it, which exerging two regular ribs of ore, one 2 in, and the other 3 in, thick, or proposed.—1. I should be ready to sample from about 50 to 60 toos on March 1 mays.—4. Candistan of the Mine: The lode on the 10, west of engineeds, is, is it, which exerging two regular ribs of ore, one 2 in, and the other 3 in, thick, or proposed and arrived the results in the shape of sales of ore will prove my sattements a creat opening out here one of the best lodes that I ever saw in Cardiganainra, and ultimately the results in the shape of sales of ore will prove my sattements a creat opening out here one of the best lodes that I ever saw in Cardiganainra, and ultimately the results in the shape of sales of ore will prove my sattements a creat, —1. Sactan Addt: The lode in the stope in the back over this level is fair, which carrying a rib of ore on the south wall 2 in, thick, of nearly pass indeed, —2.—3. The definition of the lode consists of quarriting a first of the back over the salit here in it yould from of

NORTH TRESKERBY MINE,—Capt. Richard Pryor has issued a pamphlet, entitled "An Answer to Mr. B. Matthews's Letter of Dec. 24." Capt. Pryor adverts to the leading phases in the history of the mine since he became its manager, and contradicts upon documentary evidence the statements made by his opponent, and concludes by saying that the removal of Mr. Matthews from the office of purser has led to the introduction of a gentleman of the highest respectability to represent the company's interests. Mr. H. L. Phillips is an honourable man, and has done much good to Cornwall by bringing capital into its mines, having at this time no less than seven mines in the county.

CLIFFORD AMALGAMATED .- A case involving a claim of many thousand pounds has been before the Vic Williams, as treasurer of the mines to be allowed to prove for moneys advanced towards defraying the cost of working the mines. The original claim was for 21,750, which was ensequently reduced to 11,2971, Sir Frederick having be n cashed to pay 10,271, to the credit of his father's account. Mr. J. R. Pauli appeared on behalf of the executors and Sir F. M. Williams; Mr. Californ, Ar. Marriek, and Mr. Cock executors and Sir F. M. Williams; Mr. Chilleott, Mr. Marteck, and Mr. Copposed the claim on behalf of shareholders and contributories; Mr. R. M. P. Represented the official liquidators. It was agreed that there was no doubt money claimed had been advanced and used for the working of the mine. Chileott objected, upon the technical ground that the cosin should have be made by the mine countities, and not by the executors and treasurer, and it the account, instead of being limited to fittle more that two exacts should have be gone back to the establishment of the company in 1861. His substantial jection, however, was that the two monthly statements sen out to the averturers were grossly incorrect. He did not mean to impute improper motive anyone, but one ended that the parties who had been engineer of debts in the two or more gentlemen who had the limited a linked to come in Cours and for payment of that money. Mr. Marrack said the simple question was whet two or more gentlemen who had the limited a limited among the consideration was when the consideration of the company, and who had suppressed from their co-adventurers and employers knowledge of certain debts owing by the company, could now come in a consideration of equility and ask to be paid out of the pockets of these stateholders from well as the content of the cont AMERICAN SECURITIES.—For the information of those interested in American securities, Messrs, Jay Cooke, McCulloch, and Co., of Lomb rd street (the London branch of the banking bouse of Jay Cooke and Co., of New York) issue a weekly financial circular, containing much valuable money market and commercial intelligence. Affairs in Wall-street have wholly recovered from the temp rary irregularities recently noted. There has been a reaction of 5 to 15 per cent. In Union Pacific Railroad securities; it is understood that arrangements have been made which will enable the company to liquidate the whole of its floating debt, amounting to \$3,000,000, as it matures. Arrangements are being made for establishing a monthly steam service between San Francisco and New Zealand, and Australla, specially designed to attract passenger traffic. In railway shares there is a more active movement, but in such operations a severy meeting the merchants' ledger, bankere', and cost-book were submitted.

to the shareholders. It was impossible to believe that there had been a suppression of facts for any improper purpose—no doubt it was considered there would be an improvement in the price of tin and copper, and then this 10,000£ would have been paid off in a very short time. If the price of tin had been then what it is now in all probability Clifford might that have been maintained, The Vice-Chancellor took time to consider. It may be added that Mr. Henry Michell has stated that the books of the mine showed that there was a debt uncharged in the cost-book of 10,102£. for supplies, and that between 7000£ and 8000£. of this amount had been contracted in the two years preceding his examination of the accounts.

IMPROVED TREATMENT OF SILVER ORES.

THE STETEFELDT FURNACE.

This Furnace, to which reference has recently been from to time This Furnace, to which reference has recently been from to time made at the meetings of English companies for working mines in the Pacific States, was invented by Mr. C. A STETEFELDT, of Nevada, U.S., and is intended for roasting, or rather chloridising, ore after it has passed through a mill battery. It is a shaft furnace, in which the pulp is not roasted by stirring, as in the reverberatory furnace, but by falling through the flame. The shaft is about 30 ft. high. On the top of it is the feeding machine, consisting of a cast-iron water-frame, that supports a pupped screen closely over which moves a On the top of it is the feeding machine, consisting of a cast-iron water-frame, that supports a punched screen, closely over which moves a wire cloth, cutting the pulp and forcing it through the screen. The pulp is hoisted by an elvator into this feeding machine, which delivers it in the form of a fine rain to the shaft. Thus each particle falls, as it were, separately through the flame, and is fully exposed to it. The roasted pulp collects at the bottom of the shaft, whence it is drawn out as needed. The flame necessary for the process is created in two lateral gas generators, which admit the flame 3 feet above the bottom of the shaft. The flue-bridge is 3 ft, below the top of the furnace.

Connected with the furnace proper is a system of dust-chambers, compelling the draft to perform a zig-zag line before reaching the smoke-stack. The connection between the shaft and the dust-chamcompelling the draft to perform a 2ig-2ag line before reaching the smoke-stack. The connection between the shaft and the dust-chambers is effected by a vertical flue passing down one side of the shaft. This flue is provided with a third gas generator, the office of which is to roast that portion of the pulp which, in consequence of its fineness, is carried away by the draft, and thus prevented from falling through the flame and getting roasted. The gas generators are constructed for using charcoal, but we hear that a modification of the furnace is now being made, so as to use firewood for fuel instead of charcoal, which reduces the price of construction, as the gas generators are done away with. The percentage of salt to be added varies from 5 to 10 per cent. The furnace reduces the expense of roasting as compared with the reverberatory furnace. It is also claimed that by this process ores can be worked closer than by the old process. A furnace with the capacity of from 15 to 30 tons of ore in 24 hours consumes from two to four cords of wood, or the equivalent in charcoal. Eight men (two to feed, three to fire, and three to draw and cool the roasted ore) are required at the largest furnace in 24 hours. Silver ore by this process should never be chloridised below 90 per cent. As yet but few experiments have been made with gold ores. made with gold ores.

CRUSHING AND DRESSING ORES.

CRUSHING AND DRESSING ORES.

The efforts to substitute air for water in the dressing of ores have been frequently referred to in the Journal during the last 20 years, but difficulties have usually been met with in practice which have prevented the general application of the machines proposed. Mr. Krom, mechanical engineer, of New York, claims, however, to have overcome all obstacles, and for some time past his dry ore concentrators have been largely used in the United States. The machine is similar in principle to the ordinary jigging machine—Hunt's, for example—but air is used instead of water for the separation of the ore from the gangue. The crushed ore falls upon the screen, or ore-bed, from a hopper furnished with a gate, to regulate the flow of ore, and keep the layer being acted upon of uniform thickness. The ore is lifted by the puffs of air from bellows operated by a trip-wheel and spring. It is remarked that the spring is calculated to produce the best result, as it is important that the puff of air should be sudden. There are six projections on the trip-wheel, so that the moderate speed of 50 to 70 revolutions per minute of the pulley gives 300 to 400 upward movements of the bellows; this speed is sufficient to give a steady movement at the balance-pulley, and yet not so fast as to produce any unpleasant jar or noise, the machine working smoothly and easily. The ore-bed is described as a yety valuable and entityle produce steady movements of the bellows; this speed is sumeent to give a steady movement to the balance-pulley, and yet not so fast as to produce any unpleasant jar or noise, the machine working smoothly and easily. The ore-bed is described as a very valuable and entirely novel feature; it is composed of wire-gauze tubes, placed from \(\frac{1}{2} \) in to \(\frac{1}{2} \) in. apart, according to the kind or grade of ore to be treated. The finely crushed ores require that the tubes be placed nearer each other, while the coarser grades allow them to be further apart. The ore-bed made of these tubes is placed at the front of these bellows, and the ends of the tubes next to the bellows are open, to admit the air, which escapes at the top and sides, agitating the ore which lies on the tubes, and also that between them near the surface. The tubes are open at the bottom, so that any fine ore passing through the meshes of the wiregauze immediately falls with the main sinking column; the tubes are, therefore, always entirely free from obstruction.

With regard to the separation of ore generally, Mr. Krom observes that not only is the mechanical concentration of ores based upon the difference of specific gravity, but the influence of specific gravity decreases with the increasing fineness of the particles; so that in the condition of the finest slimes the action of specific gravity is almost nothing. Such material will float long distances when subjected to the action of water, and will also float in air when sufficiently dry. The material should be left, if possible, in a granular state. He points out that, according to Rittinger, crushed ore from rollers gives—Coarse grains. 70 per cent; sand, 20 per cent; flour and dust 10 per cent.

The material should be left, if possible, in a granular state. He points out that, according to Rittinger, crushed ore from rollers gives—Coarse grains, 70 per cent.; sand, 20 per cent.; flour and dust, 10 per cent. And wet crushing under stamps, through 5-32 inch holes—Sand, 32 per cent.; flour, 32 per cent.; and dust, 36 per cent. Thus, while stamps produce 68 per cent. of flour and dust, leaving only 32 per cent. of suitable stuff for concentrating, rollers give 90 per cent. of material of the proper size for subsequent treatment. As Mr. Krom leaves no room to doubt that he has thoroughly studied the principle of ore concentrating, and seems to have used his best efforts to construct his machine in accordance with those principles it is probable. struct his machine in accordance with those principles, it is probable that the invention might be turned to good account in this country, where there are many mines which occasionally suffer severely from want of water.

PEAT AS FUEL FOR LOCOMOTIVES.

Although the abundance of mineral fuel in England has done much to prevent the utilisation of peat at home, it appears likely that in India, where the high price of coal, coke, and patent fuel so greatly increases the working expenses of railways as seriously to entrench upon profits, peat will be made to render important services by utilising it as a fuel for locomotives. The matter has just been brought before the India Committee of the Society of Arts by Lieut. Col. Romaine Wragge, and from the facts adduced it seems that, with the exception of the lines passing through Bengal and Central India, which will possess the advantage of native coal, the use of peat will effect a saving of from 30 to 50 per cent., according to locality, whether which will possess the advantage of native coal, the use of peat will effect a saving of from 30 to 50 per cent, according to locality, whether compared with either native or imported coal. All the Indian railways are dependent either upon England, Australia, or Labuan for their supplies of coal, with the exception of the East Indian Railway, which has collieries at Ranagunje, and these collieries cannot be rendered available for the supply of the other Indian lines, owing to the extremely high rate of freight, both by rail and by the coast, round the peninsula of India.

Condensed peat (compressed peat is found not to answer) is pro-Condensed peat (compressed peat is found not to answer) is proposed, not only for locomotive purposes, but for ironworks, sugar manufactories, and coasting steamers; and as it is described as being found on the Neilgherries, and generally distributed over the entire range of the hill tract, being so abundant that it is sold at the bog side at 1s. per cartload of 1000 lbs., there would seem to be nothing to prevent its extensive use. It is estimated that by the substitution of peat for the fuel now used the annual saving effected would be—on the Medges line 19 3692; on the Great Scatters Pail Tract of peat for the rue now used the annual satisfies enter a silvery, 7383L; on the Great Indian Peninsula Railway, 65,569L; and on the Bombar the Great Indian Peninsula Railway, 65,569L; on the Great Indian Peninsula Railway, 65,5692; and on the Bombay, Baroda, and Central Indian Railway, 21,7191.=124,0331, on these four lines alone. The use of peat will also save the railways from on the Great Indian Peninsula Railway, 65,5692; and on the Bombay, Baroda, and Central Indian Railway, 21,7192.—124,0332, on these losses; or, should prices considerably advance, you can 'realised four lines alone. The use of peat will also save the railways from your gains.' The market must, however, be watched. A friend of the great expense to which they are occasionally put by the trains mine, who through Cornish mine speculations gave up his situation

being fired, owing to the sparks thrown off by wood fuel, which some-times destroys valuable merchandise in transit, the destruction of

which has to be made good by the railway companies. There are no sparks thrown off during the combustion of peat.

The whole question of utilising peat in India is, doubtless, one of the utmost importance, so that the views of those who have succeeded in preparing it cheaply, and of suitable quality, cannot fail to be generally accentable. to be generally acceptable.

THE CAPE, AND THE DIAMOND FIELDS.

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The diamond fields on the banks of the Vaal River continue very productive, and gems of great value were brought home in the Roman, which arrived at Plymouth, on Monday. Mr. John Campbell, the newly-appointed special magistrate, had arrived at the fields, and had assumed the duties devolving on him. He had been warmly welcomed by the diggers, and the only regret felt was at the limited character of his powers. It was hoped, however, that steps would shortly be taken to extend British rule to that important portion of South Africa. During the past month several parties of diggers had returned to the colony, to avoid the great heat which prevails across the Orange River during the summer. The majority expressed their intention of returning about March or April. The general health of the diggers was good, and the site of the original settlement was rapidly assuming the appearance of a town. The Inland Transport Company, which had been started in Cape Town, was fairly in operation, and was conveying passengers and their luggage to the fields in nine days. The wagons of the company were said to be fitted up with every regard for the comfort of passengers, and the cattle are described as of the best description. The fare from Cape Town to the fields is 12t. The following interesting table, showing the value of the diamond shipments for the past two years, is from the Standard and Mail of Jan. 4:—

Official Statement of Diamonds shipped from Port Elizabeth Upon Which Wharfage has Been Pailo.

1869—January.... Belton I diamond. valued at £ 202

UPON WHICH WHARF				Edd	ZABEII	I.
1869-January Briton	1	diamond,	valued	at £	806	
May Celt		diamonds,			400	
June Cambrian	2	"	22	-	200	
August Northam	6	**	11		205	
Briton	2	"	33		2,000	
September Celt	6	"	**		1,000	
October Saxon	17	**	33		800	
,, Mary	26	11	22		1,400	
November Norseman	26	"	11		100	
Northam	50	1)	23		500	
**						
Shipped during 1869	141	33	9.9	£	7,405	
1870-April 14 Asia	8	diamonds,	valued	at &	150	
May 14 Briton	18	22	93		75	
May 30 Roman	44	29	9.9		4,145	
June 14 Norseman	19	**	22		375	
June 29 Northam	310	22	93		2,800	
Aug. 13 Cambrian	248	9.9	93		9,095	
Aug. 80 Briton	41		99		1,200	
Sept. 14 Roman	496	99	93		13,195	
Sept. 29 Norseman	347	93	23		15,475	
Oct. 15 Northam		33	99		8,850	
Oct. 31 Saxon	115	99	53		1,225	
Nov. 13 Celt	1240	22	99		22,255	
Nov. 29 Cambrian	170	37	9.9		7,135	
Dec. 14 Briton	523	99	23		11,448	
Dec. 29 Roman	1975	99	99		27,487	
Shipped during 1870		41	12	£1	24,910	
Total for the two years		22	**		32,315	

To the above must be added the "Star of South Africa," valued at 11,500%; 26 forwarded per post by the Celt (duly registered), valued at 1300%; 12 by the Roman's mail, valued at 350%; and a parcel sent per Natal, valued at 1300%—giving the value of diamonds forwarded from Port Elizabeth alone at 146,765%. The above figures are altogether irrespective of the shipments from Table Bay and Natal, as to which no reliable returns can be obtained; but it is estimated that the total shipments of diamonds during 1870 have reached a value of about 290,000%. of about 220,000%.

The Government had engaged the services of Dr. Atherstone and

Mr. T. Bain, of Grahamstown, to make a thorough geological ex-ploration of the reported gold fields in the Karoo.

KING ARTHUR SILVER-LEAD MINE (TINTAGEL),

The position of this mine is most romantic and historical. It is

The position of this mine is most romantic and historical. It is situate at the foot of a high cliff on the Peninsula, on the summit of which, 500 ft. high, stands the castle that tradition and Tennyson have assigned to King Arthur, of noble memory.

This spot is of great antiquarian repute, and well worthy a visit from the tourist, geologist, and miner, especially the latter, as its mining operations were probably among the earliest in the Duchy. The evidence of this may be observed in an immense cavern extending through the Peninsula. Here along the roof may be seen the remains of a powerful lode, from which can be broken thin layers of malachite and spots of silver ore (polytelite). It was from this lode, no doubt, in bygone days that the mineral was derived that coined King Arthur's "silver crowns" in the Royal Mint in the castle above. A level has been driven on a parallel lode, which is from 2 to 3 feet wide, carrying a thin band of flookau, gossan (rich for silver), friable quartz, spots of rich copper, and a course of lead ore from 6 to 8 in. in width, which has produced some tons of silver-lead, realising 16t. 5s. per ton. This lode having been thus far proved, a shaft 12 ft. by 4 ft. was commenced last week on the course of the lode. It will be sunk as expeditiously as possible to the depth of 20 fms., at which point a cross-cut will be driven to intersect and open out the other lodes and branches.

Judging from the amount of silver-lead ore already raised and sold from the adit level, the numerous feeders, or strings, of solid lead, some an inch wide, that will drop into the main lode in depth, very profitable results are expected when the shaft is carried down a sufficient depth, and the main and other parallel lodes intersected and opened out. The stratum consists of killas or clav-slate, such as is

profitable results are expected when the shaft is carried down a sufficient depth, and the main and other parallel lodes intersected and opened out. The stratum consists of killas or clay-slate, such as is always found in important argentiferous lead districts. The lodes are intersected by cross-courses, which always act as fertilisers, or feeders, causing deposits of ore in the lodes with which they come in contact, although they may be themselves unproductive of mineral. This was eminently the case at the neighbouring mine of Old Treburgett, whose large deposits of ore were found at the junction, with cross-courses or caunter lodes. -courses or caunter lodes.

cross-courses or caunter lodes.

The lodes and cross-courses can be seen in the cliffs 500 to 600 ft. high, showing a section of a mine, and enabling the best spot to be selected for explorations, thus saving both time and money. The present operations are being carried on a little above high-water mark. Few young mines in Cornwall show such mineral indications, or offer such facilities of economical working, as King Arthur, from the fact of there being water-power from a never-failing stream, sufficient to pump, wind, and dress the ore. Such an advantage cannot be overstated in a calculation of future results, especially as, in addition, the ore can be shipped at the mine for 2s. 6d. per ton.

MINING AS AN INVESTMENT, -A correspondent writes :- "I have found Cornish mines pay me well, and I narrowly watch the sources of mining information. I will suppose for one moment that I have 1000% to invest, and that I were to embark in the following mines at

Dolcoath, I share	Market price, £128	Annual	dividend, £18	0
Providence, 5 shares	195		43.0	0
Marke Valley, 24 shares.	,, 160		0.0	8
Tincroft, 4 shares	190		O.F	10
	156		24	0
Wheal Jane, 3 shares	171	,	617	0
			-	-
	190 156	,	21	1

Now, for the investment of 1000t. I should, at present prices, get 135t. 18s. a year, just 13th per cent. They are all, of course, speculations; but you cannot have 13th per cent, unless you speculate a little. If you will not speculate, go into the "glorious Three per Cents. But I consider that four out of the six mentioned mines, at least, are sound, well conducted, legitimate concerns. Of course, if matters

under a crusty employer, now lives independent on a tidy little income of 370%, a year. Mind one thing, however—never speculate with other people's money. Further—do not put all your savings in one kind of investment."

MINING NOTABILIA.

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

Camborne, Feb. 9.—The Mine Share Market continues to be very brisk, and there is a good demand for the stock especially. Those dealt in here have been Theroft, Cook's Kitchen, Carn Brea, North Crofty, South Condurrow, Wheal Uny, Wheal Agar, South Crofty, South Frances, Rosewall Hill and Ransom United, Great Vor. East Wheal Seton, East Lovell, New Wheal Lovell, and Carn Camborne. Theroft, 49 to 59; this mine is looking well, and at the next meeting a dividend of 22, per share will be declared. Cook's Kitchen, 19 to 19½—firm. Carn Brea, 41 to 43, and in demand; this is a good share to buy; it is reported by some they will require a call of 10, per share, which is absurd, as from reliable authority there will be nothing of the sort required. North Crofty, 2½ to 2½, South Condurrow, 5½ to 5½, to 5½, the 5½ to 5½, with a good demand; this mine is opening up well, and must go much higher in price before long; the improvement in the winze reported last week is turning out much better than anticipated. Great Vor., 5 to 5½; these shares have receded from 8 during the past week, owing to a serious run in Ivy's shaft; the extent is not yet known. Carn Camborne, 37s. 6d.; this mine is improving generally, and shares are worth buying. Tin and copper steady.

The SWEETLAND CREEK GOLD MINES.—A telegram just received

THE SWEETLAND CREEK GOLD MINES.—A telegram just received THE SWEETLAND CREEK GOLD MINES.—A telegram just received by the directors from their agent advises them of a net profit of 12001, on the last 28 days' clean up, although operations had been impeded by frost. With the balance already in hand, this remittance will enable them to announce another lucrative dividend, a circumstance which, together with the dividends previously declared, the fact that the mines are not worked to their fully capacity, and that the available resources are understood to be of a very enduring character, must be extremely satisfactory to the shareholders.

HAREWOOD CONSOLS.—I should be glad if Capt. Neill would inform us of the cost of one of those puffer-engines (as I find they have to pay 51, per month for the use of 11), and what quantity of coal is monthly consumed? Whatever the indications may be, borrowing an engine under such conditions must cripple the mine.

whatever the indications may be, borrowing an engine under such conditions must cripple the mine.

PEDN-AN-DREA.—Amethystine flour-spar—massive, not crystal-lised, as is the "Blue John" of Derbyshire—is found in Pedn-an-drea, Redruth.

NANGILES is on the same lode as Wheal Jane, and may prove as rich a mine. Nanglies shares can now be bought for it. each. Wheal Jane shares were 35s. to 49s. each in 1897—now 52t., and paying 9t. per share yearly in dividends.

DOLWEN.—We are advised that the discovery noticed last week continues to develope liself most satisfactorily. The agent, in writing to the ma-naging director (Mr. Balcombe), for the special meeting, held in London, or Thursday, says: -"You may depend upon it we are yet only at the heel of a

anging director (Mr. Balcombe), for the special meeting, held in London, on Thursday, says:—"You may depend upon it we are yet only at the heel of a large body of lead ore.

WEST ESGAIR LLE.—The unanimous opinion of the mining engineers who have examined this property having been that increased machinery was alone requisite to place the company in a paying position, the directors have wisely contracted for the purchase of the necessary materials for this purpose. Within the past few days everything has been arranged for the erection of all that was required, and it is expected that within the next two months the whole of the erections will be completed, and returns will then be made which will leave a good profit to the shareholders. There are large quantities of ore already in sight which can be turned to advantage by economy of working. This last step of the board will consummate the desired object.

WHEAL UNY.—The tutwork points in operation are in the aggregate worth 1261, per fathom. The sales of this for January amounted to 23 tons 13 cwts. 2 qrs. 19 lbs., producing 21891. 18s., against the month's cost of 12911. 18s. 6d., leaving a very handsome profit. The tin at this mine is sold by tender, which to this time has proved greatly to the advantage of the adventurers. This tim mine seems from the present market price not to have received that attention which it deserves, for we understand that at the next quarterly meeting a dividend of 10001, will in all probability be declared, and a good balance carried over. Yet the whole mine is selling for less than 20,0001.

EXMOUTH (Silver-lead).—It must be very pleasing to the share-

meeting a dividend of 1999, will it air probability to a status 2,0,000 the lance carried over. Yet the whole mine is selling for less than 20,000 the share-holders to learn that this mine is opening out well, and that ere long it is expected it will rank with the dividend-paying mines.

EAST LLANYNOG.—A successful company has been recently formed for the development of this valuable property. Rocks of lead of considerable weight are being broken from the different hodes, which are of great magnitude, and prolife in ore. Parcels of lead are already being prepared for the market, and the adventurers are anticipating early dividends, which will give life and vitality to the mines of the district.

VAN CONSOLS.—This property has doubled in market value, on an official report that the lode—which is the Van lode—is yielding stones of lead, an official report that the lode—which is the Van lode—is yielding stones of lead.

VAN CONSOLS.—This property has doubled in market value, on an official report that the lode—which is the Van lode—is yielding stones of lead, it is also officially stated as of vital importance to the company that a grant or tack-note has been secured of the adjoining ground on the south-east, into which the Van lode underlies, so that the company can now work in this part without let or hindrance.

TREVARRACK.—Captain James Pope (late of Basset) has recently been appointed manager of this mine, and reports most favourably of its prospects. It appears to be the prevailing opinion that the lode upon which they are sinking, and which is holding out such good prospects, is the Trencrom lode, and there is not the dightest reason to doubt that the shareholders who have prosecuted this mine with so much vigour and ability will be amply rewarded for their outlay.

warded for their outlay.

WHEAL RUSSELL is still looking exceedingly well. They have ready for sale 35 tons of rich ore, and from present appearance, with large reserves, many large dividends may, therefore, be anticipated.

WEST PRINCE OF WALES is preparing for active operation by putting in a large boiler, which ought to have been done long ago; if so, a heavy expenditure would have been saved, and no doubt the mine would have sold large quantities of tin. This is a fine sett, but has been sadly neglected through bad management.

At OLD WHEAL BETSY they are making preparations for putting in a 60-inch steam-engine. Had this been done some years since no doubt the mine would have paid dividends, as they have been subjected to such severe changes of weather that the bottom of the mine is hardly ever seen.

FOREIGN MINES.

SWEETLAND CREEK (Gold).-The directors have received from

SWEETLAND CREEK (Gold).—The directors have received from their manager the following telegram:—"We have cleaned up after a run of forty-two days. Gross return, \$13,500 (2700!).; the profit is \$300 (1200!). I send a remittance of \$6000 (1200!), the result of twenty-eight days' washing."

NEW ZEALAND (Quartz Crushing and Gold).—J. Thomas writes (Dec. 6) that the whole of the machinery is now in splendid working order, consisting of 15 stampers, and the single specimen stamper. He has pegged out four men's ground, and got four miners' rights for their three men and himself, and had the claim duly registered. He has secured an abandoned claim for the company. They can secure as much ore as they want that will pay to crush for 2s, per ton. A sample lot of 8 tons 16 cwts, yieldel 4 ozs, 3 dwts. of gold, worth 52s, 6d. per oz. The crushing costs 15s, per ton, in addition to which the company obtains a net profit of 7d. per ton. The company's machinery and prospects are in a fair way of doing good, more especially after the Government tramway is in good working order.

BRAGANZA (Gold).—The letters received on Feb. 4 were delayed at Rio, through the sudden death of Mr. Jordan Crewse. Capt. Roberts's reports, dated Morro Tobaco, Dec. 16, and Dec. 28, state that on receipt of orders all except the winze men were sent on the water-courses. They had completed 2500 fathowns as well as the dam for the same, although washed away once with other landslips. He agreed with all hands to distribute a builock amongst them if they could bring the waterto the Itabetra road by Christmas. The water was running beautifully by Dec 22; the builock cost \$12 (4l.) The carpenters would come in from the rego at the commencement of the year, and Immediately all hands would commence about the stamps. The Englishmen's house is finished, and Morro Tobaco is beginning to look like all little village.

RHINE.—J. Garland, Feb. 1: Schmelzer: The cross-cut, east of Henty's shaft, was driven during the past month 3 fms. 4ft. through hard grauwacke. We h

court osing the winze, suspending all driving on the lode until we have seen is character some 7 or 8 fms, deeper.—Adele: The additiovel was driven east last month 6 fms. 5 ft.; it is now being driven by two men and two boys, at 9 thalers per lachter, 23s, 6d, per fathom.

— J. Garland, Feb. 7: The ground in Henty's cross-cut has a little improved. Four men have commenced to rise on the Toni lode, and we hope soon to communicate with the level above. We have the hand-pump for Marienfreude winze, and shall resume sinking with a full pare of men forthwith. The weather has much improved for surface operations, and we shall proceed with the preparations for the new pitwork, which is promised very shortly, as fast as possible.

ALAMILLOS.—Feb. 1: The lode in the 60, west of San Rafael shaft, ALAMILLOS.—Feb. 1: The lode in the 60, west of San Rafael shaft is large, and yielding very good stones of orc. In the 50, west of San Martin, the ground is very hard for driving, and the lode small. The men are getting on very badly in the 50, east of La Magdalena shaft, and the lode is quite unproductive. The lode has falled in the last few days in the 75, east of Taylor's engine-shaft, and in the same level west the lode is disarranged by a strong joint crossing the end. In the 50, west of San Yago shaft, the lode is son, and of a kindly appearance. The 30, east of San Victor shaft, is passing through a good run of tribut ground, yielding 2 tons per fathom. The lode is small and poor at present in the 20, driving east of San Carlos shaft. In the 20, east of Addis's, the lode yield 2 tons per fathom, and is very compact and regular. The 20, west of this shaft has opened excellent ground until the last few days. The lode is strong, regular and of a very promising appearance in the 40, east of Crosby's shaft, where it produces 2 tons per fathom. In the 40, west of Crosby's cross-cut, the lode is improving, and now yields 1 ton per fathom. In the 20, east of Swaffield's shaft the lode is small and irregular, yielding ½ ton per fathom; and in the 20 west the lode has changed unfavourably in the last few days, and gives ½ ton per fathom.—Shafts and Winses: The men are getting on rather slowly with Taylor's engine-shaft sinking below the 75, and the ground is very hard for sinking

in San Francisco shaft under the 50. In Mortis's shaft, under the 30, the lode is very compact, and of a promising appearance, yielding I ton per fathom. At very compact, and of a promising appearance, yielding I ton per fathom. At very compact, and of a promising appearance, yielding I ton per fathom orth. We San Andriano shaft, under the 50, to get it down to a 50 m. level as fast as possible. In Ruis' winze, under the 50, to get it down to a 50 m. level as fast as possible. In Ruis' winze the lode also yields the lode is large, yielding ¼ ton per fathom. In Luis' winze the lode also yields the lode is large, yielding ¼ ton per fathom men will drive cast from 3% ton per fathom the winze for the shaft of the winze of the winze of the winze of La Magdalena winze, slnking to the east of La Magdalena the winze for 50, contains a lode worth ¼ ton per fm. San Andriano's winze, shaft, at the 50, contains a lode worth ½ ton per fm. San Andriano's winze, shaft, at the 50, contains a lode worth ½ ton per fm. San Andriano's winze, shaft, at the 50, contains yielded a fair average quantity of ore in the and poor.

The tribute department yielded a fair average quantity of ore in the and poor.

The tribute department yielded a fair average quantity of ore in the and poor.

FORTUNA.—Feb. I: Canada Incosa: In the 120, east and west of O'Shea's engine-shaft, the lode looks kindly, and lets out water freely, which O'Shea's engine-shaft, the lode looks kindly, and lets out water freely, which O'Shea's engine-shaft, the lode looks kindly, and lets out water freely, which O'Shea's engine-shaft, the lode looks kindly, and lets out water freely, which o'Shea's engine-shaft, the lode looks kindly, and lets out water freely, which o'Shea's engine-shaft, the lode on the formula in the looks kindly, and lets out water freely, which o'Shea's engine-shaft, which we think is a good indication of improvement; the present produce is ½ ton per fathom. In the broken up, and does not look yery kindly; it yields ½ ton per fathom. In the broken

level; it is off the lode. Casterar's winze is communicated with the 75 fathom level. Simon's winze is holed to the 100; the lode yields 2½ cons per fathom. In Jurado's winze, under the 100 fm. level, the lode is still small and poor, and the ground is hard.

WEST CANADA.—F. Williams, Jan. 11: Huron Copper Bay Mine: WEST CANADA.—F. Williams, Jan. 11: Huron Copper Bay Mine: The stope b-low the 20 fm. level, cast of Stephen's winze, is not changed since my last, still yielding 3 tons of ore per fathom. The stope in the bottom of the 35, west of Palmer's shaft, yields about 2½ tons per fathom. The stope in the back of the 53, cast of Bray's engine-shaft, is now looking well, and yields fully 3 tons of ore per fathom. The stope in the bottom of the 20, cast of this shaft, and west of Carmichael's winze, is worth fully 2 tons per fathom. The stope below the 35, east of this shaft, and west of Bartle's winze, is a little improved of late, and produces at this time 2½ tons per fathom. The lode in the 50 meet; it is 8 ft. wide, and yields over 2 tons per fathom. The lode in the 50 meet; it is 8 ft. wide, and yields over 2 tons per fathom. The lode in the 65 of diving west of Palmer's shaft, is worth 3½ tons per fathom. The lode in the 65 of diving west of Palmer's shaft, sill looks promising, but is unproductive. The lode in the 10, east of Bray's, yields 2½ tons per fathom.—Wellington Mine: The stope cast of Bowe's is worth 2½ tons per fathom.—We are getting on pretty well at the new works, considering the men we have to work with; but, no doubt, after they get unore used to the work we shall get on better. Everything connected with the dressing and other surface work is going on well.

LINARES.—Feb. 1: Pozo Ancho: In the 85, west of Warne's engine-shaft, the lode contains good stones of ore, but not sufficient to attach a value to. In the 5, west of San Francisco shaft, has opened a good length of valuable lode in the past month, wor 12 tons per fathom. In the 65, west of San Francisco shaft, has opened a good length

end, and yields I ton per fathom. The ground is hard, and the lode very small end, and yields I ton per fathom. The ground is hard, and the lode very small in the 45, cast of Addis's shaft. There are old works in the back of the 32, east of this shaft; the lode here yields \(\frac{1}{2} \) ton per fathom. In the 32, west of Henty's, the lode is unproductive at present. In the 32, east of Henty's, there is a kindly and productive lode, producing I ton per fathom. The lode is open, vnghy, and easy for driving through in the 32, west of San Carlos shaft. The 45 end, west of the same shaft, is improving in appearance, and yields \(\frac{1}{2} \) ton per fathom, but in the same level east the lode is very changeable, and at present quite unproductive. The 32 east is opening a good run of tribute ground, producing \(\frac{1}{2} \) tons per fathom.—Shafts and Winzes: Good progress is being made in Taylor's engine-shaft, under the 55. In the 45, in San Carlos shaft, preparations are being made for fixing a lift, when sinking will be resumed. Giles' winze, under the 22, is going down in a very good lode, worth 2 tons per fathom. The lode in Casteliano's winze, under the 45, is large, consisting chiefly of calcareous spar and lead ore, and yielding of the latter I ton per fathom. Pleon's winze, under the 45, is situated east of Taylor's shaft, and is going down in a rich shoot of ore, yielding 4 tons per fathom. The surface operations are being kept on as well as the severe state of the weather permits, and the machinery is in very good condition. We estimate the raisings of ore for February at 200 tons.

[For remainder of Foreign Mines, see to-day's Supplement.]

[For remainder of Foreign Mines, see to-day's Supplement.]

WATSON BROTHERS,

MINING AGENTS, STOCK AND SHARE DEALERS, &c., 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MINING AGENTS, STOCK AND SHARE DEALERS, &c.,

1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

SATURDAY.—Market very active, and a good business doing in Van Consols, West Maria, Tincroft, East Lovell, Taquaril, and Tankerville. Roman Gravels, Great Vor. West Chiverton and South Condurrow flatter. Van Consols, 175 to 2½; West Maria, 30s. to 32s. 6d.; Tincroft, 48 to 50; East Lovell, 33 to 34; Taquaril, 38s. to 40s.; Tankerville, 12½ to 13; Roman Gravels, 8½ to 9; Great Vor, 6 to 6½; West Chiverton, 46 to 48; South Condurrow, 4½ to 5; Prince of Wales, 34s. to 36s.; Grenville, 3½ to 4; Don Pedro. 2½ to 2½.

MONDAY.—The demand to-dayls chiefly for Van Consols, Taquaril, Uny, Tincroft, East Lovell, Marke Valley, and Great Laxey. Great Vor again lower. Van Consols, 2½ to 1½; Taquaril, 39s. to 44s.; Uny, 4 to 4½; Tincroft, 48 to 50; East Lovell, 32½ to 33½; Marke Valley, 7 to 7½; Great Laxey, 18 to 19; Great Vor, 5 to 5½; Cook's Kitchen, 18 to 19; Drake Walls, 17s. 6d. to 20s.; East Grenville, 2½ to 3; Rosewall Hill, 25s. to 30s.; West Seton, 105 to 110; Kitty (St. Agnes), 9 to 9½; wheal Seton, 23 to 25; Eberhardt and Aurora, 14 to 14½; Don Pedro. 2½ to 23; Eclipse, 24s. to 26s.

TUESDAY.—Market very quiet, and prices are about the same as yesterday Cook's Kitchen, 19 to 20; East Lovell, 32½ to 33½; Great Laxey, 18 to 10; Great Vor, 5½ to 5½; Marke Valley, 6½ to 7½; New Lovell, 1½ to 19¼; South Condurow, 4½ to 5½; Marke Valley, 6½ to 7½; New Lovell, 1½ to 19¼; South Condurow, 4½ to 5; Tankerville, 12½ to 13½; Kincroft, 84 to 50; Van Consols, 2½ to 3½ to 3½; West Deternand. Taquaril, East Lovell, New Lovell, and West Chiverton at little weaker. Tankerville, 12½ to 13½; Koman Gravels, 9½ to 19½; Tan Consols, 2½ to 2½; East Lovell, 55 to 16; Taquaril, 37s. to 39s.; East Lovell, 51½ to 32½; Curu Brea, 41 to 43; Great Laxey, 17½ to 18½; Frince of Wales, 33s. to 36s.; South Condurrow, 4½ to 5; Sweet Land Creek, 3½ to 4½.

TRUBADAY.—Market quiet to-day, the dealers being busy preparing for the settlement. Carn Brea, 40 to 42½; Ea

CHALLENGE TO THE WORLD.—The Bristol Daily Times and Mirror, Aug. 15th, has the following: Messrs, J. C. Swan and Co., of 16. Queen-square, in this city, have invented a pocket microscope, which is a marvel in all that such an instrument should be. It has great power, remarkable definition, and does not require focussing. The cheapness of the article will make it exceedingly popular when its merits are more widely known. It is called the "Bristol Microscope," and is a great credit to the inventor, as much for its extreme simplicity as its power.—The Western Daily Perss says: The Bristol Microscope has a magnifying power of 24,000 times, &c.—The Western Daily Teleproph says: The Bristol Microscope is the most compact and useful scientific instrument we have ever seen; it possesses extraordinary power, and is very easily managed, &c. The price of the Bristol Microscope is only 2s., or free by post, with printed directions, for 28 stamps.—Address, J. C. Swan and Co., Opticians, 16, Queensquare, Bristol

HOLLOWAY'S OINTMENT AND PILLS-THROAT AFFECTIONS --- At no season have throat maladies been more numerous or more dangerous than at the present time. Simple sore-throat, hoarseness, relaxed uvala, quinsy, and diphtheria may be treated most successfully by fomenting the neck and chest with warm water, and afterwards diligently rubbing in Holloway's olutiment. Moderately aperient does of these pills should form a part of this easy treatment. Both olutiment and pills are adapted to people of all ages and every condition; the operation of both is very gentle, soothing, and purifying. In colds, coughs, bronchitic and asthmatic affections, the afflicted may place unlimited reliance in Holloway's treatment; perseverance with it alone is wanted to rescue the patient from a perilous position.

Silver-Lead Mine, Lebanon

LOCATED IN THE TOWN OF CANAAN, COLUMBIA COUNTY, STATE OF NEW YORK.

About midway between the Hudson River and the Harlem Railway; about a quarter of a mile from the line of the Hudson and Springfield Railway.

It is reached in about six hours' ride from New York City, by either the Harlem or Hudson River Railroad.

The mine has been proved by sinking a shaft upon the vein to the depth of The mine has been proved by shaded seen 7 and 8 feet wide. At a depth of 50 feet, from the surface northernly and southernly levels or drifts were run, the 86 feet, at which depth the nature is between 7 and a feet wide. At a depth of 50 feet from the surface northernly and southernly levels or drifts were run, the former 64 feet and the latter 73 feet. The course of the vein is about 2.0° east of north, and its dip to the east about 2.0° from the vertical line; its footwall is splendtilly well-defined, but its hanging or eastern wall is not yet well-defined. The opening of the main shaft is on a hill or clevation about 20° feet above the highway, which runs parallel with it; from this object to course of the vein can be traced both northernly and southernly and shaft the course of the vein can be traced both northernly and southernly by courceps of ore and wall rock; 600 feet southernly the hill terminates somewhat abruptly, and at its base the galena crops out on the general course no even; a this point a tunnel was commenced, and run into the hill or he course of the vein for a distance of 20 or 25 feet, the intention being or run this tunnel on the vein, and connect with the shafts intended to be sunk. This would drain the mine and give a cheap and easy delivery of the cannel, and the result of the consets of the vein for a flowing close by here would be made available. The ore consists of highly arflowing close by here would be made available. The ore consists of highly arflowing close by the transition rock, totally known as Taconic rock. Iron pyrites have not been found to any great extent mixed with the ore, but traces of it are have not been found to any great extent mixed with two proportions of silver to the ton of the lead which would be obtained by smelting the dressed ore. The following are the rates of the ore vein :—

Atterage lost of samples, 40 feet from surface. 41 ozs. 7 dwts. 16 grs.

lot of samples, 40 feet from surface...... 41 ozs. 7 dwts. 16 grs 42 10

ed.

ft, the ery ve. ft; the ar-ute the elds aft, rest per ay-in-

therefore, feel pretty certain that the average of silver to the ton of metallic lead will not be below 45 ozs., which basis I used in my estimate of the value of the dump.

The value of the lead in the ore varies widely; while some portions of the ore will not yleid over 5 per cent., others will assay much higher, nor is it very easy in the absence of a large working test to determine its per centage accurately; but, in my opinion, it would be safe to fix its approximately alue at 10 per cent. In lead. The amount of ore on the dump at the time operations were stopped was between 600 and 700 tons.

The largovements on the place are a substantial horse whim, shaft house, ore house, smiths' shop, mining tools, an office building, &c.

All that is needed to make this a profitable mining enterprise is the necessary appendages for the preparation of the ore for the market, and, if deemed desirable, furnaces for its reduction to the respective metals—i.e., lead and silver. With its present development, the mine is capable of furnishing about 30 tons of ore per day, which amount may be largely increased by sinking the shaft down far enough to run second levels, and also to sink another shaft on the veln, which latter on this property is about 1000 ft. In length. Good Cornish miners can be had at the rate of §1.75 per day; fuel is plenty and cheap, and water is at hand in sufficient quantity to dress the ore by a very efficient and economical ligger of American and novel construction, not yet as publicly known as it deserves to be.

As I am not sufficiently familiar with the prices of the various crushers, separators, steam-engines, &c., and have not time to post myself on these items in time to complete this report, i will only state in general that about \$40,000 will be sufficient to provide all machinery necessary for treating 50 tons of ore per day. The furnaces requisite to smelt the ore, and to separate the silver from this quantity of 10 per cent. ore, will probably cost \$10,000 additional.

Respectfully submitt

Prof. POHLE is well and favourably known to many scientific and business mei in London as the successor of the celebrated chemist, Prof. James R. Chilton. n London as the successor of the celebrated chemi-THIS PROPERTY IS OFFERED FOR SALE. For further particulars, address-

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BEING THE SECOND YEAR OF PUBLICATION.

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BRITISH MINES.

BRITISH MINES.

ABERDAUNANT,—H. Francis, Feb. 9: There is no new feature to notice either in the lode on the north side of No. 2 adit east, the stopes above this level, or in Rule's cross-cat, north from deep adit east; all these points are much the same as last week — Dressing Department: We have had two good days of crushing, and have now 6 tons of marketable or cready. We are, however, short of hands on the dressing-floors, otherwise 8 tons of clean ore would have been in the bin by this time.

ASSHETON.—William Johns, William Tipton, Feb. 8: Lindow's Shaft: We are making fair progress in driving the 10 fm. level cross-cut towards the lode. No. 1 winze, in the adit level, is suspended in consequence of being down to water. About 50 fms, further north of this we have cleared up a winze left off by the late workers, which is down over 5 fms., worth 15 cwts, of lead ore per fathom.—Gundry's Shaft: We have a full pare of men engaged sinking, and it will be forced down as quickly as possible, believing at the next level we shall open up a good piece of ore ground. Mawr shaft is forked down to the stuff, We find there is a portion of the lode left standing in the side, and where cut lint is producing fine stones of ore; should this be left standing in whole at the next level, where we have about 2 fms. further to reach, it will be an important thing for the mine.

REDFORD UNITED.—James Phillips, Feb. 9: No change to notice has taken

we find there is a portion of the iode left standing in the side, and where cut into is producing fine stones of ore; should this be left standing in whole at the next level, where we have about 2 fms. further to reach, it will be an important thing for the mine.

BEDFORD UNITED.—James Phillips, Feb. 9: No change to notice has taken place in any part of the mine in the past week.

BLAEN OAELAN.—T. Komp, J. Evans, Feb. 9: The engine-shaft is in regular course of sluking by six men, and is down 5 fms. 2 ft. under the 10; the ground is rather stiff for sinking, and in consequence the men are making slow progress. The lode in the 10, east of shaft, is looking exceedingly well, and is producing fully 1½ too of lead ore per fathom; the length of ore ground opened in this level is about 10 fathoms. The cross-cut north is in a beautiful channel of ground, is now in 26 fathoms from the 25, or old adit, and the end is ander the perpendicular of the run of the lode at surface. We have traced this lode on surface over 30 fathoms, and in several places it is showing some nice lead, where it appears to be underlying south, but we are inclined to think that as the lode entered the hard rock the underlie was affected, and looking at the change of ground which has taken place in this level within the last few days we may possibly cut the north lode in a short time. Good progress is being made in the level west from the main adit, and also in the level east from the old adit, and we hope to communicate these two points in about a month from this date. We have now favourable weather, and the masons are getting on well in arching over the boiler, and the engine-house is ready for the engineness to put in the engine.

BLUE HILLS.—S. Bennetts, A. Gripe, Feb. 4: The ground in the engine-shaft below the 66 continues favourable for sinking, without much change in either the lode or branches. In the 66 cross-cut, north of Letcher's shaft, a small gossan has been intersected; some small but good veins of tin, however, are still found in

lead ore. We shall get on with the erection of the new crusher as quick as we possibly can.

BUDNICK CONSOLS.—J. Rawlings, Feb. 7: The 16 fm. level is poor at present. We have two men clearing and repairing the level east of Peter's shaft, which will shortly be completed, when we shall be able to get away the tinstuff from the tributers. We have set one pitch, and shall be able to set more shortly. The tributers continue to raise their usual quantity of tinstuff. We hope to have an engine erected on the eastern part of the mine. Seeing the large quantities of the that have been raised in this mine, we have every reason to believe that similar quantities can still be got to remunerate the shareholders for their outlay.

that similar quantities can still be got to reminerate the shareholders for their outlay. —Feb. 7: North Lode: The engine-shaft sinking below the 50 is progressing favourably. In the 50 east end the lode is yielding some strong spots of lead—a kindly lode. In the 50 west end we are driving by the side of the lode, in order to make greater progress; when last taken down it was worth 10 cwts. of lead per fathom. We shall be taking down the lode again by the end of the week, and from its appearance I hope to get a leptile of lead. In the 40 west end the lode yields occasional stones of lead. The stope in bottom of the 40 is worth 10 cwts. of lead per fathom. The stope in bottom of the 40 is as the stope of lead of the 40 is worth 10 cwts. of lead per fathom. The stope in bottom of the 30 east is suspended. I have out the men further west to strip down the side in a branch where we are getting some good lead. We are now engaged dressing the tributers' work, which is turning out pretty well. Nothing else new worthy of remark.

worth 11 cwts, of lead per fathom. The stope in bottom of the 30 cast is suspended. I have out the men further west to strip down the side in a branch where we are getting some good lead. We are now engaged dressing the tributers' work, which is turning out pretty well. Nothing else new worthy of remark.

CAMBORNE VEAN.—J. Vivian and Son, N. Clymo, Feb. 9: We have put the steam, we believe, in a good working state, and completed the winding goar to the eastern shaft, through which we have drawn to surface the tinstone broken by the iributers. We are now clearing the 106 fms. being on the caunter lode, in order to commence opening vigorously on the said lode towards the junction of the same with the town lode. We have a good branch of yellow copper ore at this point, which we trust will lead to a still more valuable discovery. We have now three tribute pitches working in the back of the 56 fm. level, on the town lode, and shall in a day or two have cleared the 4f m. level on the same lode, so as to let tribute ground there also. We have also cleared the cross-cut commence do y the ancient miners from the main lode (now called the middle i. de), and find it driven 5 fms. We shall commence driving this cross-cut today, and calculate that we may have about 16 fms. to drive to reach the object. This old south lode contributed very largely to the great profit formerly given by this mine from copper, but was not expected at so shallow a level as this cross-cut which we have resumed. We calculate on commencing next week to sink a shalf in the gossan, formerly the back of the town lode, for about 106 fms. westward from the town shaft. A shallow addt about 14 fms. deep from the 52 tons 5 cwts. 3 qrs. of thustone for 731. 16a. 6d.

CAPPAGH.—W. Thomas, feb. 6: The lode in Hitty's winze, shaking under the 94 (bottom), looks well, and contains very rich purple ore, soft quarts, and carbonate of lime, &c., and the deeper we shak the character of be ground becomes less hard and more favourable for the production of larger quan

each 12l. per rations for the the to reach the lode, which will take about six weeks to accomplish.

CEFN CONSOLS.—C. Mansbridge, E. Evans, Feb. 9: We are very busy getting the lift into the new shaft, and hope to have the engine at work early next week. The washing-floors are nearly completed, so we expect to be in full operation by the middle of next week. The men are still getting over good lead in the west driving of the 9 fm. level. We are compelled to discontinue driving mine looking better than it does now.

CHIVERTON.—G. E. Tremayne, J. Borlase, Feb. 8: Borlase's engine-shaft is sinking below the 70 fm. level in a large and well-defined lode. In the 70 fm. level is alrayed and well-defined lode. In the 70 fm. level we have two men driving east, to cut a part of the lode mow standing in that direction. Our engine and pitwork are working well.

CHIVERTON MOOR.—G. E. Tremayne, Feb. 4: The 165 fm. level to drive out the lode, by six men, at 64, per fathom. The 95 fm. level to drive west, by six men, at 31, 10s, per fathom; lode worth 15 cwts, of lead per fathom. A stope in the back of the 95 fm. level, west of rise, by six men, at 21, 10s, per fathom; level, east of rise, by six men, at 21, 15s, per fathom; lode worth 16 cwts. of lead per fathom. A stope in the back of the 85 fm. level west, of lead per fathom. A stope in the back of the 85 fm. level west, of lead per fathom. A stope in the back of the 85 fm. level, west, by six men and one boy, at 21, 15s, per fathom; lode worth 12 cwts. of lead per fathom. A stope in the back of the 85 fm. level, west, by six men and one boy, at 21, 15s, per fathom; lode worth 18 cwts. of lead per fathom. A stope in the back of the 85 fm. level, west, by six men and one boy, at 21, 15s, per fathom; lode worth 18 cwts. of lead per fathom. A stope in the back of the 85 fm. level, west, by six men and one boy, at 21, 15s, per fathom; lode worth 18 cwts. of lead per fathom. A stope in the back of the 85 fm. level, west, by six men and one boy, at 21, 15s, per fathom; lode wor

A stope in the back of the So int. level, by six men, at 26, 10s. per lathom; lode worth 21 cwts, of lead per fathom.

CRENVER AND WHEAL ABRAHAM UNITED.—Wm. Kitto, W. J. Paull, Feb. 7: Sturt's and Pelly's English-Shafts: The sumpmen in both shafts are engaged in carrying out the contracts as reported in our last, withall the dispatch possible. There is no change in any of our tutwork operations worthy of re-

Our tin sale yesterday brought fully as much money as we expections 13 ewts, 3 ges, realised 140% lbs. 10d., at an average of 22, 4s, 3d, stuff: 35 tone of this quantity being raised from the back of the 200. alised 1461, 15a, 10d., at an average of 24, 4a, 5d. per quantity being raised from the back of the 200, and to 21, 18a, per ton, the remaining 28 tons 13 cwts, so and the levels above, bringing 361, 19a, 9d., or you will see by this statement the probability is the lasting tin mine in depth. We shall lose no time to bring to surface the rich tinstuff already disco-

. H. Harvey, Feb. 7: The lode in the 142, driving east fille disordered, containing more capel and from, and he lode in the different stopes is still very large, but at eyielding very low quality tinstuff. he an, Feb. 8: The iniddle lode in the 140 east is 3 feet

, s: The middle lode in the 140 cast is 3 feet .
The 140 west, on the south lode, is sussessed north is still in the elvans; ground lose per fathom. The 120 cross-cut north is composed of peach and quartz; the ground withe 100 is communicated with the 110, co; the lode is worth for tin 121, per fathom, of lode to the north of the 110 fathom level, In the tribute department no alteration

Note 122, per ratios for that it is the upon that Rep. 9: We have not taken down the lode CARN BREA.—John Rodda, Feb. 9: We have not taken down the lode log's shaft, sinking below the 90, during the past fortnight, but will have and report its size and value next week. The lode in the 90 west conjucted to not ore per fathons, and is promising for an early improvement is small at present, but the ground is still disordered by the cross-course, and is small at present, but the ground will no doubt become more compact,

It down and report its size and value next week. The lode in the 90 west continues to yield 1 ton of ore per fathons, and is promising for an early improvement. In this level east the ground is still disordered by the cross-course, and the lode is small at present, but the ground will not doubt become more compact, and we expect the lode will improve as we get away from the cross-course. In the 80 cross-cut, north of the old engine-shaft, the ground is spotted with copper and mandle, and letting out a little water.

EAST DARREN.—Feb. 6: In the 116 cast the men are still engaged stoping behind the present end in a lode yielding 27 cwts. of lead ore per fathom. In the 164 cast the lode is 5 ft. wide, a little improved, now yielding 27 cwts. of ore per fathom. In the stopes over the 92 will yield on an average 22 cwts. of lead ore per fathom. The lode in the 80 west, on the south part of the lode, is 4 ft. wide, yielding from 16 to 17 cwts. of lead ore per fathom. At Skinner's shaft, below the 63, the water is frained, and the men resumed sinking. The new shaft sinking below the 44, at Blaenewm, is at a standstill, in consequence of the severe weather, but the wheel is now at work, and we hope soon to drain the water and resumes inking. In the cross-cut, north of New Pool, the ground is composed of a light clay-slate, and favourable for driving. In the eastern cross-cut north the ground is composed of clay-slate and hard beds of grit. There are six ribute pitches at work, producing on an average 22 cwts. of lead ore per fathom. We sampled on Tacsday last 40 tons of lead ore.

EAST PROVIDENCE.—J. Nancarrow, W. White, Feb. 4: The following work was set to-day:—The 1st to drive north, by six men, for the month, lode composed chifty of spar.—The 1st to drive north, by six men, at 7t, per fathom is composed to the comminicated with the rise above the 13 alone to save. The 122 to drive north, by six men, at 7t, per fathom; lode has a very promising appearance. The tribute ground at the 50 is set at 9s. in 1t.

EAST TEIR

or not the north lode has formed a junction with the one we have conon.

Of the (Silver-Lead.—R. Trevethick, J. Cock, Feb. 6; We dressed last
tons of blende and 5 ewts, of lead. We have about 100 tons of blende
at Newton, and a full pure at work, and the floors full of ore. I do not
to full short of what we promised last week, but hope over that quanwe have as much or more than we can do to dress the ore as fast as it
rom the battom stope and the rise alone, and it is turning out pretty
buttle lead and juck, the rise going up is opening out some good orey
The two stopes on the quartz lode are both turning out some very
when the first of the control of the control of this work of the control of this work of this we are booking very well.

cel is still turning out fair quantities of ore, waxons and machinery all working well, very well, illiam Verran, Feb, 9: There is nothing new is being made at the different levels, and at the anticipations of success. The lead are as when last reported, producing quantity to produce irrge quantities of lead when the last reported, producing quantity of the last reported, producing quantity being his which is several fathoms ahead, secure in the 35 west, but expect to do so hope, be followed by good resits, enabling on the deep adit without being inconver, reasoning from analogy, we expect a fort will be used to push the above points senouly.

is flow, Jan. 1; King's engine-shaft is sunk 3 fms. 3 ft. 6 in.

1. The present bottom is a little stiffer for progressing the mixed with some hard floors of eapels projecting

1. The rist in the back of the 35 east is on the

1. The rist in the back of the 35 east is on the

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1. The ground in the 82 cross-cut north is of good

1. The lode in Batter's stope, in back of the 82

1. Of ore per fathom. Nicholl's, in the bottom of the same

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1. The 's engine-shaft is sunk 3 fms. 3 ft. 6 in

on.

ADD AND CELYN LEVEL.—Feb. 9: We have almost finished our
Coeda Eithin. A communication between the eastern walking shaft,
add is made; this footway will be very convenient for us. The four triteween this walking way and Coedia Gelynen are doing well, and raised
the past menth 2 tons of lead. No other change to notice. We are
all work.

WNOG.-Wm. Wasley, Feb. 9: We holed the shaft to the

rawing machine, with all the requisites for pumping and rative growth.

In the Vision of the lord, after which they will go on sixting below
to the bottom of the lord, after which they will go on sixting below
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the clvan 8 fms. 5 ft. 9 in. At surface the clvan is 10 fathoms wide; judging from this we have 6 or 7 feet more to drive, and we are hoping we may meet

the elvan 8 fms. 5 ft. 9 in. At surface the elvan is 10 fathoms wide; judging from this we have 6 or 7 feet more to drive, and we are hoping we may meet with a little easier ground.

GREAT ROCK.—John Kemp, Feb. 8: I am glad to inform you that the breaking up of the froat has enabled me to resume sloking the engiae-shaft. There are no alterations to notice in the lode here; it is composed if killas, quarts, and spots of lead ore, with well defined walls. The state of the 23, cast of engine-shaft, is looking more promising, produce it is composed if killas, quarts, and spots of lead ore, with well defined walls. The state is the state of engine-shaft, is looking more promising, produce it is a little more lead than it has been doing, and lecting out water. No. 1 lode, in the level west of deep adit, has improved, composed of killas, quarts, and a nice branch of lead ore. I can scarcely say what this will do, but from appearance one would expect an improvement of some importance, as we are now getting near the polut where we got some good lead in the shaft in the wood.

GREAT ROYALTON.—T. Parkyn, Feb. 9: In the 22 the lode is of the same value as last reported. The lode in the adit end, going east, is greatly improved.

We are very busy in fixing the other sixteen heads of stamps. Prospects of the mine good.

GREAT SOUTH TOLGUS.—John Rodda, Feb. 9: The lode in the rise in the back of the 140, west of Lyle's engine-shaft, is worth 9?. per fathom for tin. In Tom's pitch, over No. 2 cross-cut, in the back of the 140, the lode is worth 161, per fathom. The 25c, east of Bodilly's cross-cut, seems to be improving again; the lode is carrying more quartz, and is producing good stones of this worth 162, per fathom. The stope in the back of this level is worth 104, per fathom. The stope in the back of this level is worth 104, per fathom, and is all tick harder of shaft in Ago and a stope as of a fathom level, the ground is all tick harder of shaft in a few days. In the stope in the back of this level the lode is worth 104,

wide, worth 12?, per fathom. The lode in the 15 fm. level driving east is 2 ft. wide, and worth from 15t. to 20t. per fathom; this winze is going down through a rich piece of ground. The til is turning out very well at the stamps.

GWYDYR PARK CONSOLS.—W. Smyth, Feb. 7: In Sutton's shaft, in the 8 fm. level west, there is no change since last report. The same applies to the back of the 8 west, as there was no lode taken down for the last week. In Vuschelsa new adit, driving west, we have broken into some old works, which no one in this neighbourhood can give any account of, and although it has let out a great deal of water it does not seem to drain Harker's old shaft very fast; it has only gone down 7 feet, but is gradually going. This place is full of stuff, but I cannot say much about it until it is cleared out, which we began doing to-day. At Smith's Shop end we have taken down the lode; it is near I foot big, composed of spar, sulphur, blende, and occasional stones of lead ore. We have commenced dress'ng again.

HELVELLYN.—Journ Muse, Feb. 7: No. 1 Level—East End: The cheek of the east and west veri is standing more upright, with a strong rib of quartz lying against it, brangled with ore, and a good deal of water issning 'the boring is quite as hard as ever. The old vein in the side shooting near No. 2 level forehead improves in the quantity of ore, and is yielding some good bowse; the ore is mixed in the barytes and black filin the full height of the level. The lying off or south-east cheek is not yet touched; it is all velustuff as far as we have gone back. The old vein, in No. 3 level, is more kindly looking, with some or rings of ore, but less quartz on the cheek, and b-aring a little more east. There is now a fine thaw, and the snow is going fast; the breaking of the knockings is being proceeded with, making more room for the small bowse.

HINGSTON DOWN CONSOLS.—James Richards, Feb. 9: In Balley's shaft, sinking below the 140, the lode is 44 ft. wide, composed of mundic, quartz, capels, and stones of o

proceeding satisfactority. An assoper in back of the 30 is tea assoper the proceeding satisfactority. An assoper in back of the 30 is tea assoper the proceeding desired.

MiNRik Jurion.—J. Nicholis, Feb. 9: Brabner's Shaft: The lode in the 100 yards level south is unproductive of lead. The pitch in the back of the level is worth 1 ton of lead per fathom.—Bow shaft: The pitch in the back of the feb yard level north is worth 1 ton of lead per fathom.—Low's shaft: The pitch in the back of the 60 yard level north is worth 10 owts. of lead per fathom, and improving.—Fibu Shaft: The lode in the 40 yard level, south of the cross cut, is without alteration since last report. We shall have a parcel of lead ready for sampling in about a week.

MOUNT PLIKASANI.—Wm. Wastey, Feb. 9: I have just come up from underground, but have buthle.—A Francis, Februr of since my last.

NANTY have a bothle and the province of since my last.

NANTY have a parcel they will be contract entered into for cutting the wheel-pli, rail—A. Francis, Februr of since my last.

NANTY with the stone, and buthle plit, the cretion of water-wheel, cutting water course, wiking and erecting plin, the cretion of water-wheel, cutting water course, wiking and erecting lunders, providing and putting in drawing motion and furnishing of the second portion of the contract—the sinking of the engine-shaft, 10 ft. long by the second portion of the contract—the sinking of the engine-shaft, 10 ft. long by the properses is select model in the 25 februs drawing as an entered to the Standalous velocity.

wide, and worth 181. per fathom. In the stope in the back of the 75, west of Truan's rise, the lode is 4 ft. wide, and worth 201. per fathom. In the stope in the back of the same level, east of Rowe's rise, the lode is 2 ft. wide; the eastern part of which for 4 fms. in length is worth for th and copper 201. per fathom, In the stope west of Peter's winze the lode is 4 ft. wide, and worth 101. per fm. In the stope east of the same winze the lode will average 2 ft. wide, and worth for tin and copper 151. per fathom. In cutting out and stoping the lode further east the lode is very large, and producing th and copper, but having no south wall we cannot report its size or value. In the rise in the back of the 68, west of Truan's rise, the lode is 2½ ft. wide, and has a more promising appearance, yielding some good work for tin, now worth 151, per fathom. In the stope in the back of the 63, east of the winze, the lode in places is full 5 ft. wide, and worth 501, per fathom for copper. In the 60 fm. level end, driving east of the shaft, the lode is 1½ ft, wide, and looking promising for the production of mineral, and is letting out more water. The lode in the 60 fm. level end, driving west of the shaft is 6 in. wide, and yielding rich stones of tiln. In the western part, at Edgeumbe's we have forked the water at the 28, and are now engaged in clearing and repairing that level south towards Matthew's shaft for ventilation.

NOR PH ALLTA-CRER.—C. Williams, Feb. 9: Leannot observe any chance

worth 50t, per fathous for copper. In the 60 fm. level end, driving east of the shaft, the iole is 15 ft. wite, and looking promising for the production of the west of the shaft, is 6 in. wide, and yielding rich stones of tin. In the west-order the water at the 25 and are now engaged in clearing and repairing that level south towards Matthew's shaft for roper part, at Edgeanshe's we have forfeed the water at the 25 and are now engaged in clearing and repairing that level south towards Matthew's shaft for the product of the control of the co

cross-cut is lettling out a little water, and from the appearances I think we are near the lode.

PENRHYN.—Wm. Johns, Feb. 8: There is nothing new in the tutwork bargains since our last. We are busily engaged in getting around the flat-rods, which we shall set to work to-day, and hope to reach the bottom of the shaft quickly, where it is reported there is a good lode of ore left standing by the former workers.

which we shall set to work to-day, and hope to reach the bottom of the shaft quickly, where it is reported there is a good lode of ore left standing by the former where it is reported there is a good lode of ore left standing by the former where it is reported there is a good lode of ore left standing by the former workers.

PERKINS BEACH.—E. Davies, Feb. 9: The 20 fm. level is progressing favourably; it lets out more water daily from its hanging wall, which evidences that being the true wall of pump-sump lode; the ground is close in its texture, but very good in character for ore. Pump-sump has for some days been driven on, and part of the breast is through a very hard but of ground which was seen in the deep adit; this has caused the ore to contract, but as soon as part was through it gave out an increased quantity of water, good ore was again reached, and there is every appearance of its shortly being as abundant as ever in the open ground ahead of us, in which I purpose sinking to the 20 fathom level.— walker's Vein: The water being forked in this winze, I shall lay down rails and resume working. The ore is good in the bottom; it fact, the stones broken yesterday were better than when it was stopped. The ground is slightly turning northwards appr-aching Gwilliam's vein, a parailel one lying between Walker's and pump-sump veins. The rise on Walker's vein is now so far up as to need more air trows, which will be put in. Since the thaw began our floors are in full operation, and we hope soon to make good ore samplings, which the long frost had greatly retarded.

PERRAN CONSOLS.—James Nance, Feb. 6: Flat-rod shaft: We havete-day resumed the sinking of the shaft; the lode is 2 ft. wide, producing stamplug work. The lode in the 30 is very much disordered, yielding stones of tin occasionally; we are expecting to meet with the slide shortly, and are making all energy to get to the west of it, where we hope to have the lode of a more of in occasionally; we are expecting to meet with the slide shortly, and are making

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THE MINING JOURNAL.

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average duty :-	
Cargoll Mines-Michell's 72 in	59-7
Chiverton Moor-70 in	56"
Crenver and Wheal Abraham - Pelly's 80 in	85.
Ditto ditto Willyam's 70 in	68.
North Wheal Crofty-Trevenson's 80 in	57
Providence Mines-40 In.	874
West Wheal Seton-Harvey's 85 in	71-
Wheal Seton-Tilly's 70 in	55.
Ditto Tregonning's 70 in	

the above process of generating and exploding the said gas being continuously re-peated at intervals, regulated at pleasure by controlling he passage of the said hydrocarbon liquid to the said generating chamber, or of the said gas to the said explosion chamber, the said air-light reservoir is charged with atmospheric air to any required pressure, and thus charged is made to communicate with any ordinary iron condensing steam or other suitable engine, when the said com-pressed air acting the part of steam will work the engine in a similar manner.

ordinary iron condensing steam or other suitable engine, when the said compressed air acting the part of steam will work the engine in a similar manner.

GREAT WHEAL VOR.—The agents report to the managing director that a run of ground has taken place in the 152 and 162 fm. levels, 10 fms. west of Ivey's shaft, and that the debris from which had extended into the shaft, where resting upon the sollar at the 162 it chokes the shaft up to the 140, from whence it will be removed as speedily as possible. In the meantime the main-rods have been detached at the 130, and Ivey's engine set to work, and every precaution is being taken to secure the ground from any further run. Edward's shaft, with all the late improvements, is in no way affected by this accident. The 60-in. engine will hold back the western water. All the operations in this part of the mine are in full course of working. The lode in the shaft, as well as in the 162 winze, 10 fms, east of it, continues to maintain its great value.

Since the above report was written the managing director, who promptly instituted a commission of enquiry into the cause of the accident and extent of the damage, has received the following report from Mr. Husband, a member of the committee, which is confirmed by Mr. Rustice (engineer) and the agents of the mines:—

Hayle, Feb. 8.—After writing you yesterday I had a long conversation with the agents as to repairing the damage caused by the run to Ivey's shaft. The great point is to clear as much of the stuff in the shaft as possibly ear work, and sixbour shifts, the men changing on the spot. Of course, everything in the shape of wood and iron is preparing at surface to send down without delay, as required. I went into every detail as far as I could, and believe all is being done that can be done. It is unfortunate there is no intermediate level where we can attack the debris, but so far the agents see no other plan than to shik through the stuff. We will do all we can, and if Mr. Divett comes down we can lead.—W. Husband.

Promp

Prompt measures were immediately taken to clear Ivey's shaft as Prompt measures were immediately taken to clear trey's shart as quickly as possible, and as many men as can be placed for this purpose are at work in a change of six-hour "cores." After separating the rolls at the 130, and setting Ivey's engine to work to keep back the top water, the men, under the supervision of the agents, commenced with proper appliances to "spill through" the debris in the shaft from the top, and already such progress has been made in its removal that every confidence is expressed that the shaft will be entirely cleared of debris within one month, the water forked, and the better of the wine put in course of working within another. entirely cleared of debris within one month, the water forked, and the bottom of the mine put in course of working within another month. In the meantime increased force has been put in Edwards's shaft to expedite the operations in the western ground. The lode in this shaft is still further improved, and samples 5 cwts. to the ton of stuff, or (say) one-quarter part tin; and the winze, 10 fms. east of it, still holds down as good as last reported. Altogether, the porspects in the western ground are improved.

Cwm Vron.—Since the favourable reports by Mr. Robinson, F.G.S. (Messrs. Shelford and Robinson, the well-known mining engineers), the mine has been inspected by the confidential agent of a leading London firm, whose report more than confirms that made by Mr. Robinson. The property is situated in the neighbourhood of the Van, and its lode, so far as developed, more nearly resembles that of Van than any other yet opened upon in the locality. Upon a limited scale of working it has already returned about 200 tons of lead, and its present returns are almost equal to the monthly outlay. According to the testimony of several competent authorities, an extension of development is all that is necessary to bring Cwm Vron into a permanently remunerative condition. As will be seen by the abridged prospectus, which appears in another column, the directors comprise the names of gentlemen of considerable experience in the mining world, assuring the carrying out of every detail in a most satisfactory manner. tory manner.

HARLECH MINES .- We are informed that the shares in this company will be issued in a few days. The discoveries made here are considered unequalled in any undertaking in Wales since the opening of the Van. During the past ten days the Harlech has been inspected by several mining authorities of the highest repute, all of whom concur in stating that there is every probability of these mines increasing in richness as soon as the lead lodes are further developed.

Increasing in richness as soon as the lead lodes are further developed. RHYDTALOG (Silver-Lead).—The discovery of silver-lead made in cutting the new lode, last week, continues to hold good. Every exertion is being made to lay open the ground, in order that immediate returns may be made; the ground is easy for driving. Samples of the lead have been forwarded to the company's offices, where they may be seen. In sinking the engine-shaft on the main lode a slide has been met with, but from appearances the lode may be expected richer below the slide than it is above, where for the last 4 fathoms it produces 1\frac{1}{4} to 1\frac{3}{4} ton per fathom. The severe weather experienced during the first few weeks has impeded the company's operations, but the frost having gone the mine is again in full work, and surface operations are resumed.

GREAT WEST CHIVERTON.—No. 3 lode is since a feeder introduced.

GREAT WEST CHIVERTON.—No. 3 lode is, since a feeder joined it from the south-east, over 5 ft. wide, with 18 inches of ore up and down the end, with staves of ore of many pounds weight, and worth about 25 per cent. for silver-lead. Present depth from grass 8 fms. The offices of the company have been removed to the newly-appointed managing director's, Mr. A. Pearson Longbottom, C.E., Bishopsgate.

VAN CONSOLS .- "We have cut the Van lode in the new shaft, pro VAN Consols.—"We have cut the Van lode in the new shaft, producing fine stones of lead—a very strong-looking lode." The above telegram was received from Capt. Corfield, the manager of the mines, on Thursday afternoon, and confirmed by a report since received at the company's office, which will be found amongst the Mining Correspondence. The cutting of the Van lode in this portion of the mine fully confirms the high opinion entertained by all as to the value of the eastern ground. The fact of what is called steel ore being met with shows the great strength of the lode. The manager of the Van Mine has frequently referred to the presence of steel ore in the lode in the Van Mine, and it is now more evident than ever that Van Consols is certain to realise the high character that has been always claimed for it.

EAST TERRAS.—Operations at this mine have been commenced, and from the indications presented it is expected that it will enter the Dividend List during the present year. A report from one of the "old men" engaged in the last working will be found in another column.

THE FESTINIOG SLATE DISTRICT.—It is understood that steps are at present being taken to develope the Bwylchyslatten Slate Quarry by the formation of a public company. There is apparently an inexhaustible supply of slates of first-class quality, and as the requisite plant for properly and profitably working is already erected, it is confidently anticipated that the application of a comparatively small amount of additional capital will ensure very favourable results to those supplying it. The circumstances under which the pro-THE FESTINIOG SLATE DISTRICT .- It is understood that steps are small amount of additional capital.

The circumstances under which the property is thrown upon the market (the death of the proprietor) are such as would induce those now interested in the property to meet capitalists upon equitable terms, and the prospects of the property, resulting from increased facilities for communication by railway, are continually improving. A report upon the present state of the quarry has just been made by Mr. G. Pritchard, who is a man of high standing in his profession, and admitted to be one of the most experienced and able slate quarry managers in the Festiniog district. standing in his profession, and admitted to be one of the most experienced and able slate quarry managers in the Festiniog district. He states that nothing but capital is wanted to secure a very large return from Bwichyslatten, of the future prospects of which he entertains a most favourable opinion. Being himself the manager of the Rhiwbach Quarry, which adjoins the Bwichyslatten land, Mr. Pritchard has had peculiar advantages for making himself thoroughly acquainted with the nature of the ground and the strata thereon. The London and North-Western Railway Company have now before Parliament a bill for constructing a line of railway from the Bwichyslatten district direct to Bethosycoed, for the purpose of bringing the Festiniog slate trade into direct communication with their main lines, and as soon as this is done the profits of the undertaking will be such as abundantly to repay the shareholders for contenting themselves with moderate returns in the meantime. With this week's Journal a SUPPLEMENTAL SHEET is given, which contains—Original Correspondence: Marine Engineering on the Clyde; Birmingham and the Black Country, No. VIII.; Collieries in North Durham, their Workings and Machinery, No. VIII.; Inspector of Mines for South Durham; Rating of Coal Mines in Staffordshire; Education of the Mining Engineer (D. Jones); Metals and their Ores, No. XVI. (E. Gledhill); Steam Ore-Stamper (J. Sturgeon); Taquaril Gold Mine, Brazil; Mining on the Pacific Coast; Pacific Company, and its Management; Bank of California as a Mining Man; Eberhardt and Aurora Mining Company; Gold Fields of Nova Scotia; Gold Ore from Nova Scotia (T. L. Phipson); Mining Accounts; Mining as a Legitimate Investment (T. Spargo); Van Mine, and its Prospects; Roman Gravels Mine; Reperry Tin Mine (G. H. Poulton)—Meetings of the South Wales Coal and Metal Markets Committee, the South Midland Institute of Mining, Civil, and Mechanical Engineers, the Midland Institute of Mining Engineers, and the South Staffordshire and East Worcestershire Institute of Mining Engineers—Lectures on Geology, No. II. (W. Madeley)—Practical Measuring and Valuing (W. Tarn)—Quicksilver Mines of Idria—Mining on the Pacific Coast—Mineral Resources of Victoria—Foreign Mining and Metallurgy—Foreign Mines Reports—Hudson River Copper Company's Prospectus, &c. With this week's Journal a SUPPLEMENTAL SHEET is given,

The Mining Market; Phices of Metals, Ores, &c.

METAL MARKET-LONDON, FEB. 8, 1871.

•	COPPER. £ 8. d. £ s. d.	IRON. Per ton.
9	Best selectedp. ton 75 0 0- 76 0 0	Bars Welsh, in London 7 2 6-7 10 0
9	Tough cake and tile 73 0 0- 74 0 0	Ditto, to arrive 7 0 0
	Sheathing & sheets 74 0 0- 76 0 0	Nail rods 7 5 0- 7 15 0
ı	Bolts 75 0 0- 76 0 0	" Staffd. in London 7 15 0-8 0 0
9	Bottoms 76 0 0- 77 0 0	Bars ditto 8 2 6-9 2 6
,	O'd 62 0 0	Hoops ,, ditto 8 15 0- 9 5 0
1	Burra Burra 75 0 0	
ı	Wireper 1b. 0 0 10	Hoops , at works. 7 15 0- 8 0 0 Hoops , ditto 8 2 6- 8 5 0
	Tubes 0 0 1014-1034d.	Sheets, single 9 10 0-11 0 0
1	BRASS. Per lb.	Pig No. 1, in Wales 3 15 0-4 5 0
1		Refined metal, ditto. 4 0 0-5 0 6
1	Sheets 73/d8d.	Bars, common ditto. 6 5 0-6 7 6
	Wire 7d71/2d.	Do. mrch. Tyneor Tees 6 10 0-
ч	Tubes 91/2d101/2d.	
Ч	Yellow Metal Sheathing 6% d7d.	Do., Swed. in London, 10 10 0- 6 5 0
	Sheets 61/2 d65/8 d.	
		Pig, No. 1, in Clyde 2 12 0-3 0 0
1	SPELTER. Per ton.	Do. f.o.b. Tyne or Tees 2 9 6-
1	Foreign on the spot £17 15 0-18 0 0	Do. Nos. 3,4,f.o.b.do. 2 6 6-2 7 0
•	, to arrive 17 15 0	Railway chairs 5 17 0-6 0 0
,	"	spikes11 0 0-12 0 0
ı	ZINC.	
	In sheets£22 10 0-23 0 0	Indian Charcoal Pigs,
	QUICKSILVER (p.bottle) 12 0 0	in London, p. ton. 6 5 0- 6 10 0
	TIN.	STEEL. Per ton.
•	English blocks £135 0 0	Swed., in kegs(rolled)12 10 0-13 0 0
	Do., bars (in brls.) 136 0 0	(hammered) 13 0 0-14 0 0
	Do., refined 139 0 0	Ditto, in faggets15 0 0-
	Banca 133 0 0-134 0 0	English, spring17 0 0-
•	Straits 132 0 0-134 0 0	Rugitan, spring
	TIN-PLATES.* Per box.	LEAD. Per ton.
1	IC Charcoal, 1st qua. 1 6 6-1 8 6	English Pig, com18 0 0
ı	IX Ditto, 1st quality 1 12 6- 1 14 6	
	IC Ditto, 2d quality 1 5 6-1 6 6	
	IX Ditto, 2d quality 1 11 6- 1 12 6	Ditto, sheet 18 10 0-
1	IC Coke 1 3 0-1 4 0	Ditto, red lead20 10 0
1	IX Ditto 1 9 0- 1 10 0	Ditto, white28 0 0-30 0 0
	Canadaplates, p. ton 13 10 0-14 10 0	Ditto, patent shot 21 0 0
	Ditto, at works 13 0 0-14 0 0	

* At the works, 1s. to 1s. 6d. per box less. Terne-plates 2s. per box below tin-plates of similar brand.

REMARKS .- Our markets are looking up, and merchants are he coming increasingly disposed to transact business, white speculators evince a readiness to purchase at existing low prices. Buyers of metals have in a great measure held back, until the restoration of peace should offer some grounds for the supposition that their calculations would not be likely to be upset, and it seems reasonable to suppose that in the event of peace such an impulse will be given to trade as shall show itself in increased demand, and higher prices than those ruling at present.

COPPER continues in a favourable position. The charters from Chili up to the end of December are still light, being about only 1400 tons, making in all about 2350 tons for the month, instead of 1400 tons, making in all about 2350 tons for the month, instead of the average of 4000 tons per mensem, which has ruled for the last few years. Material strength will in consequence of these small supplies be without doubt imparted to our already rising market. Light charters have been the order of day for some time past, and this is already exercising a very favourable effect, as may be accretained from the course taken by the holders of Chill produce, who becom increasingly less disposed to realise unless at an enhanced rate. Previous to the announcement of the charters referred to 13s. 3d. had been paid for regulus. Very limited quantities of ore are offering at all. and it is expected in some quarters that 14s. per unit will be the price before very long. The arrival of Chill produce in Swansea and Liverpool in January, 1871, was 3500 tons, against 5450 tons in January, 1875, and the deliveries in January, 1871, 5350 tons, against 4250 tons in January, 1876. The price of Chill bars at the begluning of this month was 651, against the same period last year 661. 10s., and against 1899, 744. Our English market entirely responds to the improvement perceptible in Chill produce. Not only has tough cake and ingot risen in demand, but manufactured is also improving. The Indian markets give promise of orders at higher prices, increased limits have already come to hand, but owing to the continued rise of prices in our market many of the indents have been returned for further amendment. Chill bars, 634, 10s. to 661, according to brand; Wailaroo cake, 744, 751, 1905, 752, 10s. English tough, 734; Indian 4 ft. by 4 ft. sheets, 744, to 754; yellow metal sheets, 644, and sheathlug, 634, dt o 754.

IRON.—The iron market keeps remarkably steady, considering the amount of business being transacted is comparatively limited, alternative and the continued respectively limited, alternative and an active and active are not as postaging and old and old actived wat sellows.

IRON.—The iron market keeps remarkably steady, considering the amount of business being transacted is comparatively limited, although orders are not as plentiful as could be desired, yet sellers prefer waiting awhile sooner than submit to any reduction in price, particularly as regards rails, and Welsh and North of England merchant bars. The enquiries for Staffordshire have greatly fallen off, and in these descriptions many of the works have yielded to lower rates, especially for unbranded iron. The list houses in some instances are better off for certain kinds of iron, such as bale hoops for America. The impetus given lately to the pig-iron market is likely to cheek any downward tendency in manufactured; and so soon as the spring trade opens there is no doubt the ironmasters will roceive their adequate share of the trade, and be able to maintain prices with firmness. Swedish bars are in good request, and higher prices for arrival have been paid. There is now very little offering, and sellers anticipate a better market. In Scotch pigs there has been a large speculative business, and the cash price for mixed numbers advanced to 52s, 9d.

LEAD.—No movement has occurred, and prices show no alteration from last week's quotations.

LEAD.—No movement has occurred, and prices show no alteration from last week's quotations.

SPELTER.—This metal exhibits a hardening tendency, and higher prices may be looked for.

TIN.—There is a steady but quiet market; the demand is of a bona fide character, being chiefly for consumption. The price from Holland comes rather higher—78 fls. The sale of 6000 peculs of Billiton realised 80 fls. Straits, 133l, cash.

TIN-PLATES in fair demand, but sooner than allow orders to pass

the makers of lower qualities of coke are not indisposed to meet buyers' limit to a slight extent—say, 3d. to 6d. per box. STEEL.—In English there is still a good business doing, principally

for Government and railway requirements. Foreign keg and faggot

QUICKSILVER.—No change to note in the position of this metal.

THE IRON TRADE.—(Griffiths' Weekly Report).—The great staple trades of the country are prosperous. Credit has been gradually improving during the last two years, and although the strike continues in Scotland, and we still have complaints from the second-class makers of at least one large district of the trade, the fron trade was never in a more sound and healthy condition than at this moment. The aggregate output increased last year by upwards of 300,000 tons of pig-iron, and the great Middlesbrough district continues to erect large furnaces capable of turning out prodigious quantities of iron from one furnace, and notwithstanding occasional complaints of want of orders from one locality, the increased make is manufactured and regularly taken off the market; this augurs well for the trade, and as the rallway companies throughout the kingdom have been husbanding their resources last year, their position is financially improved to such an extent that large orders have been given out this week for bars and other kinds required by them, and greater activity is likewise springing up in the locomotive engines shops in all parts of the kingdom. The same remark applies in an equal degree to all our from shipbuilding yards, except those on the Thames. Under these circumstances we are more than ever inclined to think that we have rounded the corner, and shall witness a prosperous year for the iron trade. The able seconder of the Address to the Throne last night said—"With reference to the increase in the prosperity of our trade and commerce, he believed that the great industries of this country were never better employed since the panie of 1866 than they were at this moment, although the effects of that panie had since that time hung over us like the poison of the upas tree. Nevertheless, our exports last year exceeded those of 1868 by 18,000,000t, and those of 1859 by 8,000,000t." Mr. Moreceded those of 1868 by 18,000,000t, and those of 1859 by 8,000,000t." THE IRON TRADE. - (Griffiths' Weekly Report). - The great staple

ley's experience in these matters gives great weight to his opinions and judgment, and it is a consolation to the iron trade to perceive that future prospects correspond with the views of the prosperity of the trade of this country laid down by such high authority in the House of Commons. We have had more enquiries this week on the market here. Shipping orders are more freely given out, and the rail market is more active. Buyers from the United States and Russia seem more willing to enter into business for this important class of iron. It must not, however, be forgotten that the greater demand now manifested is almost exclusively for the best brands of iron from Yorkshire, and the leading brands of bars and plates made by the leading houses of North and South Staffordshire, our own Government having good orders for this class of iron to give out immediately for the naval department.—Cornhill, London.

COPPER AND TIN .- Messrs. Vivian, Younger and Bond-We have COPPER AND 11N.—Messers, Vivini, 1 ounger and noul—we have again to report a very considerable business at steady prices. In Chill bars rather important transactions have daily taken place, and our annexed quotations are well maintained. In ores and regulus a cargo has been done at 18s., and consumers are buyers at that price at Swansea, and at 18s. 3d. at Liverpool, without finding sellers. The English smelters continue to ask the advance of 2t. a ton established last week, at which they are doing a limited business. Of Australian copper there is but little offering, and our annexed quotations are well maintained. Thin has been dull of sale all the week, and shows a fall of about 20s. a ton all round.

about 29s. a ton all round.

COPPER,—Messrs, James and Shakspeare—No sales of furnace material by private contract have transpired, but on 7th instant 1950 tons of ore at the Swansea Ticketing, averaging 17% per cent., were sold at an average price of 12s. 10½d, per unit. In Chill bars the quantity which changed hands was only moderate; two or three parcels of Urmeneta and Lota were taken at 65t, per ton, cash, and the same price given for some good ordinary brands. An enquiry has existed for parcels with a three months prompt, but sellers' and buyers' views have been rather too divergent to permit of business. In Australian we note transactions in Hunter River cake, at 73t, 10s., and a small lot of Burra at 73t, 15s. per ton. English is rather quieter than last week, but smelters, as a rule, are asking an advance of 1t, to 2t, per ton on their nominal quotations, and in raw descriptions will not readily book orders even at top figures in our list.

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CHEMICALS AND MINERALS—Messrs. J. Berger Spence and Co., Mancicster, Feb. 9.—Soda: Cream caustic, unchanged at 121.10s, for 60 per cent.; white, 131, to 131, 10s. Soda crystals advanced, 44.5s. to 41.7s, 64. Ash tends upwards, and at 1 13-16d. to 1½d. per degree. Bi-carbonate, 10l. to 10l. 10s. Salt cake, 3t. to 31, 2s. ed. Glauber salts, 31. to 32, 5s. 6d. Nitrate of soda ruled quiet during the week, but closes steadler, at 15l. 5s. to 15l. 10s.—Potash: Murlates: 80 per cent., quoted at 10l. to 10l. 10s. Prusslate: Yellow, 1s. 1d.; red, 1s. 10d. to 1s. 11d.—Saltpetre; Small sales at 27l. and 28l.; refined, 34l.—Alum: Home consumption rather better. Loose lump, 6l. to 6l. 5s.; in export barrels, 7l.; ground, 7l.—Ammonia: Brown sulphate in fair request, at 14l. and 14l. 5s.; white and grey quiet, at 16l. to 16l. 10s.; carbonate, 53/d. to 6d.; murlate, 23l. to 24l.; sal ammoniac, 42s. to 43s. firsts, and 41s. seconds.—Iron Salts: Green and rusty copperas dull, at 52s. and 54s.; dry, 52s. Chioride of iron, 6l. Prusslan blue, 1s. 6d. to 2s.—Copper Salts: Sulphate of copper, 23l. to 24l.—Arsente at 6l. 15s. to 7l. 5s. for fine powdered.—Acld: Tartaric is now at 1s. 4d. per 1b., with strong market; oxalic, 73/d. to 8d.; sulphuric, 3l. 5s. to 3l. 15s.; carbolic, 1s. to 1s. 1d.—Magnesia: Epson salts, 4l. 10s. to 4l. 17s. 6d.—Olis: Olive firm, at 5l. to 49l. No change in the best spindle and loom oil. Pure white Norweglan cod liver oil, at 6s. to 7s. per gallon.—Pitch remains duil at 14s. to 16s. per ton; carbolic, at 10l.—thina-clay: 22s. per_ton.—Pyritos: A little business is to be noted, at 7d. to 8d. per unit, with a much firmer market—Line: Bleaching powder is selling at 10l. to 10l. 10s.—Super-phosphates: High percentage quality is unaltered; ordinary, 4l. 5s. to 4l. 17s., in mieral, 69s. to 68s.; Estramudura, 1s. 2d. per unit.—Manganese: 1s. per unit is the ruling figure.—Iron Ore: Hemattie in active demand, at 16s. to 18s.; colli

Business in the MINING SHARE MARKET has been much interfered

Iron Ore: Hematite in active demand, at 10s. to 18s.; colitic, 6s. 9d. to 7s. 6d.

Business in the MINING SHARE MARKET has been much interfered with this week by the settlement of a heavy fortnightly account, but one or two mines have been in good demand, at advanced rates, and, on the whole, a moderate activity has prevailed.

The shares mostly dealt in have been Van Consols, South Condurrow, Prince of Wales, Tankerville, Roman Gravels, Wheal Uny, East Lovell, North Crofty, West Chiverton, Marke Valley, Great Laxey, Great Wheal Vor, Tincroft, Parys Mountain, Taquaril, Don Pedro, Eberhardt and Aurora, &c.

Van Consols shares have advanced from 1½ to 3, 3½, and a very large business transacted. A telegram was received on Friday to the effect that the Van lode had been cut in Little shaft (which is in the eastern ground, to which we frequently called attention some months ago) producing fine stones of lead, and a very strong looking lode. Roman Gravels, 9½ to 10; the mine sold last week 80 tons of lead ore, at about 12L per ton, and will, we understand, sample about 100 tons for this month. The 65 south is worth 8 tons of lead ore per fm.; the 65 north, 8 tons; Corfield's winze, 8 tons per fm. Tankerville, 12½ to 13½, ex div.; this mine has improved.

West Chiverton, 44 to 45; in reference to the fall in these shares we gave an extract last week from a letter of the manager's, showing that the mine still looked well, and was opening out large quantities of ore. We hear now, but not from an official source, that the frost and snow have so much interfered with the dressing operations that one or two samplings of the quarter have been affected, and the usual quarterly sales will fall short at the meeting. As this, however, is supposed to be but temporary it should not make any difference in the dividend, as the sum of 3900L was carried over from last quarter's meeting. If the sales of lead were regularly sent to the Mining Journal, as they are by other mines, it would strengthen the management, and give more confide

Ivey's shaft. Herodsfoot, 41 to 43.

North Treskerby, 8s. to 10s.; at the meeting, particulars of which will be found in another column, the accounts showed a loss on five months' working of 417l. 12s. 3d., and a debit balance of 123ll. 13s. 5d. A call of 4s. per share was made. Marke Valley, 6\frac{1}{6}\tau 0.7\frac{1}{6}\tau 10. Now Lovell, 1\frac{1}{2}\tau 0.1\frac{1}{2}\tau 10. Marke Valley, 6\frac{1}{6}\tau 0.7\frac{1}{6}\tau 0.2\frac{1}{6}\tau 0.2\frac{1}{6}

The market for Mine Shares on the Stock Exchange has been moderately active during the week, a considerable amount of business derately active during the week, a considerable amount of business transacted, and prices have been fairly maintained. The demand for Sweetland Creek, Eberhardt, Van, Tankerville, and Roman Gravels shares has been kept up. To-day the allotment has been made in the shares of the Birdseye Creek (Gold); this company has been successfully launched, and appears to bid fair to have a successful future; dividends will be paid forthwith, and with an assured prospect of being maintained for many years. The agent of the company sails to-morrow. The management is under the auspices of the Sweetland Creek Company. Eberbardt shares have advanced to 151, 16: an Creek Company. Eberhardt shares have advanced to 15½, 16; an important telegram has been received, to the effect that the small mill has yielded a profit of \$20,000 on the month's working. Sweetland Creek, 4 to 4½; a cable message has been received, announcing that a profit remittance for a run of 28 days had been sent forward of 1200k, and that there was stuff already broken to keep the works going for two months, and that the prospects are very good. Taquaril shares are firmer, anticipating favourable advices by the next mail; shares are firmer, anticipating favourable advices by the next mail; to 1½ prem. Van, 55 to 57; an important discovery has been 1¼ to 1½ prem. Van, 55 to 57; an important discovery has been 1¼ to 1½ prem. Van, 55 to 57; an important discovery has been 1¼ to 1½ prem. Van, 55 to 57; an important discovery has been 1½ to 1½ prem. Van in the 15 to 1½ to 16 premate of the 30, demonstrates an enadit east, a great distance in advance of the 30, demonstrates an enadit east, a great distance in advance of the 30, demonstrates an enadio for the mine in this direction. The western levels continue to prove increasingly rich, and the general condition of the mine is most satisfactory, and for permanence is without a parallel: 430 tons of lead for the month has realised 122. 11s. 6d, per ton, and there are 1000 tons broken. Great Laxey, 17½ to 18; West Chiverton shares are flatter, at 44 to 46. Tin mine shares are steady. Great Wheal Lovell, 1½ to 1½; the lode in the shaft sinking below the 15 is worth 1252, per fathom; and the 15 west, 182, per fathom; the mine is proprised to 51, close firmer. Tankerville, 12½ to 13, ex div.; the report sets forth developments of a favourable character. Roman Gravels, 9½ to 10; since the agents of the Van and Tankerville Mines inspected this property an improvement has taken place in the 65 north, now worth 8 tons per fathom, and a winze in advance of the latter end is reported of equal richness. Subjoined are the closing quotations:—Assheton, 4½ to 4½; Tan-yr-Alli, 1 to 1½; Devon Great Consols, 95 to 105; East Caradon, 5½ to 5½; East Grenville, 2½ to 3; East Lovell, 31 to 32; Great Wheal Vor, 5½ to 5½; fast Greneral Brazilian, 4½ to 4½; Tan-yr-Alli, 1 to 1½; Devon Great Consols, 95 to 105; East Caradon, 5½ to 5½; General Brazilian, 4½ to 5; Calena Menle Vor, 5½ to 5½; General Brazilian, 4½ to 5; Yan Consols, 2½ to 5½; General Brazilian, 4½ dis. to ½ pre

dis. to \(\frac{1}{6}\) prem:. Facine, \(\frac{1}{2}\) to \(\frac{1}{6}\); \(\frac{1}{2}\) to \(\frac{1}{6}\); \(\frac{1}{2}\) to \(\frac{1}{6}\). The GLASGOW AND CAPE BRETON (NOVA SCOTIA) COAL AND RAILWAY COMPANY, with a capital of 100,000\(\frac{1}{6}\). In shares of 10\(\frac{1}{6}\). each, has been incorporated for the purpose of availing of a valuable and important concession granted by Act of the Nova Scotian Legislature, The line of railway to be constructed will extend from Sydney to Cow Bay, via Bridgeport, in the island of Cape Breton; and for the construction of the line the Legislature offer as bonus a lease, for \(\frac{7}{6}\) years, of a square mile of coal field. The purchase-money is fixed at 10,000\(\ldot\), half of which is payable in cash, and the remainder in fully paid shares, and the vendors also receive one fourth of all profits after 10 per cent, has been paid as dividends to the shareholders. The length of the line will be 21 miles, and a 3-feet gauge will be adopted; it will pass through some of the most valuable coal fields of the Cape Breton district, the collieries in which can at present only export in the summer, owing to the shipments being made from a timber-constructed pier, 400 feet long, which is washed away every season. The new line will permit of shipment at the excellent land-locked harbour of Sydney, where, during an interval of ten months out of the whole year, no interruptions whatever will be met with. The collieries to be wrought by the company have excellent seams of coal, one from 7 ft. to 8 ft. thick, and the working of them is estimated to yield a profit of 3s. per ton. As the existence of the line will facilitate the opening up of new collieries, it is confidently anticipated that the net revenue (at present estimated as equal to about 34 per cent, on the capital) will constantly increase.

In this day's Mining Journal the prospectus of the HARLECH LEAD AND SUlphur Mining Company appears.

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In this day's Mining Journal the prospectus of the HARLECH LEAD AND SULPHUR MINING COMPANY appears. The property constituting the basis of the undertaking presents some unusual features, as the late workers absolutely declined removing or utilising what portion of the more valuable ores they were necessitated to raise in the prosecution of the mine for, what was to them, the all-engrossing subject of their search and endeavours. It appears that a firm of manufacturing chemists of high standing obtained possession of the sett, and worked it for some years for the sulphur ore only, which they found so fine and admirably adapted for certain chemical purposes that they excluded all other mineral, however cheap or obtainable. The gangue of the lode was known to be rich in other minerals, and that lead ore existed in the vein. Some hundreds of tons of this, to them, refuse is on the bank, and the work already done has been, in fact, the desuing the great lode for the new company. It is proposed to bring the most approved machinery into action, and to work the lodes with vigour. Since the property has been in the possession of the promoters the fact of lead in large quantities being in the lode has been definitively ascertained. The mining engineer employed desired certain works to be carried out, as he felt confident from appearances that a good vein of lead would be met with; two weeks subsequently his predictions were verified. The affair is one of more than ordinary promise. The prospectus and reports are well worth reading by all parties interested in legitimate mining. The partners of the deceased proprietor take a large interest, and a great number of shares have been taken up. The mine has been a profitable concern from the commencement, and the fact of being able to raise and sell an unlimited quantity of sulphur, as well as to stope the lead and other ores forthwith, will enable furthe pleted to effect the improved system of manipulation,

At the Swansea Ticketing, on Tuesday, 1953 tons of ore were sold, realising 22,2561, 7s. 6d. The particulars of the sale were—Average standard for 9 per cent produce, 861, 7s. 6d.; average produce, 17\frac{1}{4}; average price per ton, 11l. 8s.; quantity of fine copper, 346 tons 13 cwts. The following are the particulars of the last two sales:—Date. Tons. Standard. Produce. Price perton. Per unit. Ore copper. Jan. 3. 3314 ... 254 16 0 ... 17\frac{1}{4} ... 261 1 2 4 ... 128. 7d. ... £62 18 0 Feb. 7. 1953 ... 86 7 6 ... 17\frac{1}{4} ... 11 8 0 ... 12 10 ... 64 3 0 Compared with the last sale, the advance has been in the standard 11. 11s. 6d. and in the price per ton of ore about 5s. 6d. There will 11. 11s. 6d., and in the price per ton of ore about 5s. 6d. There will be no sale on Feb. 28.

At Penhalls Mine meeting, yesterday (Mr. W. Goslett in the chair) e accounts showed a credit balance of 8671. 17s. 4d. Advidend of 3s. per shard as declared. The agent reported that the returns would be greater in the ming quarter.

At South Ward Mine meeting, on Thursday (Mr. R. McCallan in the chair) the accounts showed a cash balance of 1121. 18s. 4d., and a balance of liabilities over assets of 6421. 9s. 10d. A call of 2s. 6d. per share was made. Capt. Thomas Foote reported that he was more confident than ever of the mine proving very successful.

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At Bedford Consols Mine meeting, on Tuesday, the accounts showed a debt balance of 223t. 6s. 3d. A call of 2s. 6d. per share was made, and the agent's report, which was considered very satisfactory, adopted.

At the Gilfach Silver-Lead Mining Company first general meeting, held at the London Tavern, on Wednesday (Mr. Robert William Billings in the chair), a statement of the position, progress, and prospects of the mine was submitted, and regarded as highly satisfactory. The directors explained the measures they had adopted to secure efficient control over the contractors and the general management of the mine, superintendence of which has been entrusted for the present to Capt. Kitto, of Lianidioes. The prospects of the mine are considered by competent judges, who have personally inspected the property, as in every respect very encouraging.

At Frank Mills Mine meeting on Tuesday (Mr. W. T. Smith in the chair), the accounts were read, but the balance is not stated. A letter from Mr. Adam Murray states that Irrespective of the failing off in the sampling the mine is in a fair and sound condition. The important points are the 100, 115, 130, and 145, the three last having run into the same congonial matrix as that met with in the 100. There is another point of importance in the 72 and 45 north, on the west lodes, in hitherto undiscovered ground. Captains J. and F. Cornish and Addems report the machinery in good order, and working efficiently, and the single themselves and the grant at home the resource of the present the contractors and the sentence of the present the contractors and the sentence of the property.

north, on the west lodes, in hitherto undiscovered ground. Captains efficiently, cornish and Addems report the machinery in good order, and working efficiently, and the mine throughout in good working condition. They have 199 persons

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and the mine throughout it good working condition. They have 199 persons employed.

At New Gwynfynydd Gold Mining Company meeting (Mr. W. R. Collett in the chair) the accounts to Dec. 21 were submitted and adopted. The directors' report stated that shortly after the erection of the mill the stamp boxes were found to be very defective, and several months clapsed before proper cast-iron boxes could be substituted to retain the coarser particles of gold. From 460 tons of quartz 161 ozs. of gold have been extracted, being at the rate of f dwts. per ton. The directors decided on laying a tramway with two inclines from the main lode to the mill, and it is calculated that the maximum coast of carriage of a ton of quartz will be less than is. The erection of greater stamping power now only remains to be carried out, and a proper stone-breaker is required. Of the inexhaustibility of the quarts, and the magnificent water-power from the never-railing rivers Cain and Mawddach, there can be no question. Every assay bears its own testimony of the auriferous nature of the lodes, and the efficiency of the process employed in extracting the gold speaks for itself in the result obtained, and from the absence of any appreciable gold in the tailings.

At Rose and Chiverton United Silver-Lead Mining Company and I meeting, held at the company's offices, Richardeste, on Wednesday (M. At Rose and Chiverton United Silver-Lead Mining Company au-nual meeting, held at the company's offices, Bishopsgate, on Wednesday (Mr. John Morkill in the chair), a good number of shareholders were present in per-statement as to the progress of the works, and their report was considered by far the most satisfactory which had over been delivered to the proprietors. The balance-sheet was unalmously passed, and the proceedings throughout were characterised by the greatest unanimity. The directors reported the resigna-tion of Capt, James Evans, of St. Agnes, and the appointment of Capt, Samuel

Michell, of New Treleigh, as his successor. It is expected that the lode in the 45 fm, level will be out in about four mouths, and it is confidently anticipated n, level will be out in about four months, and it is confidently anticipated this will turn out to be one of the richest lead mines in Gormwall. A vote anks was passed to the directors for their very able management of the comes affairs, and those who retired by rotation, as also the auditor, were reed. A vote of thanks to the Chairman terminated the proceedings.

elected. A vote of thanks to the Chairman terminated the proceedings. At South Merllyn Mining Company meeting, on Monday, the balance-sheet to Jan. 13 was presented. After charging all easts to the latest date, the cash in hand amounted to 1682, 63, 5d., without a liability, and not including ore broken. The agent, in his report, directs attention to the western lode, which he expects will be cut next month; and also thinks well of the discovery in the 90 yard level, the appearance of the lode justifying him in anticipating increased yield with depth, enabling larger profits to be made. Votes of thanks were accorded to the secretary and directors, for the economical management which had been exercised.

The Bank of England return for the week ending on Wednesday evening showed in the ISSUE DEPARTMENT a decrease in the "notes issued" of 201,345%, which is represented by a corresponding decrease in the "coin and bullion" on the other side of the account. In the BANKING DEPARTMENT there was shown an increase in the "public deposits" of 1,331,821%; and in the "rest" of 12,656%; together, 134,471%; a decrease in the "other deposits" of 721,882%; and in the "seven day and other bills" of 13,222%; together, 735,104%.—609,373%. On the asset side there was a decrease in the "Government securities" of 1,058%; and in the "other securities" of 1,058%; and in the "other securities" of 1,058%; and In the "other securities" of 1,074%.—309,076%, leaving an increase in the total reserve of 229,277%.

COAL MARKET,-The market has been very barely supplied this COAL MARKET.—The market has been very barely supplied this week with household coal, only 80 vessels having come forward, and a clearance was effected at an advance of 6d, per ton. Hartleys were a full supply, but the demand was active, and prices are 3d, higher. Hetton Wallsend, 19s. 6d.; Haswell Wallsend, 19s.; South Hetton Wallsend, 19s.; Heugh Hall Wallsend, 17s. 9d.; South Hartlepool Wallsend, 17s. 6d.; Tunstall Wallsend, 16s. 3d.; Hawthorn Wallsend, 16s. Unsold, nil; 150 ships at sea.

MINES REGULATION-TRADES UNIONS,-In the House of Comnons, on Thursday, Mr. Bruce gave notice that on Monday next he shoule are to bring in a Bill to consolidate and amond the Acts relating to the li atton of Mines; and on Tuesday a Bill to amond the law relating to Tr

BRONFLOYD, LLYWERNOG, AND DOLWEN.-The necessary second meeting, in accordance with Section 51 of the Companies Act, was in each cast held at the Victoria Hotel, Euston, on Thursday, when the special resolution curtailing the meetings to half-yearly ones, in January and July, passed by the above-named companies on Jan. 25, were unanimously confirmed and ratified.

ENGLISH RAILS FOR HOLLAND.—Messrs. Bolckow, Vaughan, and Co., of Middlesborough, have obtained a contract for 3000 tons of rails for the Dutch State railways.

COAL MINING ENTERPRISE AND MANAGEMENT ANTED, a MANAGER and GENERAL SUPERINTENDENT over EXTENSIVE COLLERIES and TRADE OPERATIONS in con-nection therewith. For responsibility, for experience in the Got and Vend of Coal, for high personal character and conduct, very liberal remuneration will

be given.

In strict confidence, address "G.P.," care of Mr. G. Street, 30, Cornhill, L
don, giving full particulars of career and qualifications. If preferred, in
first instance initials only may be given, with the address of the writer.

MANAGER WANTED FOR LEAD MINES ABROAD, extending over 10,000 acres of land. Must be experienced and fully competent to TAKE CHARGE of the OPENING and WORKING of the MINES, the CLEANING and SMELTING of the ORE, &c. A liberal salary, and also a share in the profits, will be given to a competent party.

Apply, in first instance, with certificates and testimontals, to "B. W.," care of Henry Greenwood, Advertising Agent, Liverpool.

WHEAL OSBORNE.

WHEAL OSBORNE.

WANTED, a ROTARY ENGINE, from 26 to 30 in. cylinder, adapted for PUMPING, WINDING, and STAMPING.

Apply to Mr. CHARLES CARKEEK, Camborne; or to Messrs. John Hocking and Sox, Engineers, Redruth.

PUMPS.

WANTED, a FIRST-CLASS LIFT of PUMPS, 200 yards long, of from 12 to 14 luch working barrels, including T beams and all other necessary fittings, but they must be lu good condition.

Particulars, with lowest price, may be sent to Mr. HENRY JOHNSON, Mining Engineer, Trindle-row, Dudley, Worcestershire.

WANTED, a 24 in. to 30 in. ENGINE, in first-class condition, and with FLY-WHEEL.
Apply to Thomas Thompson, Jun., 5, Whitehall, London, S.W.

MINER'S DIAL AND QUADRANT WANTED.—
One of Rule's preferred. Must be in good condition, and thorough
working order. No answer will be considered unless price is named.
Reply, by letter, to F. R. CLARKE, 7, Beaumont-street, Mile End-road, London.

TO CAPITALISTS.

TO CAPITALISTS.

JIX THOUSAND POUNDS, if judiciously laid out, WILL
PURCHASE AND PLACE in a STATE OF PROFIT THREE LARGE
MINES, all fornished with MACHINERY for PUMPING, DRAWING, &c., and
capable of returning from 100 to 200 tons of ore per month.
For particulars, apply to Capt. Francis, Goginan, Aberystwith.

Goginan, Sth February, 1871.

TO CAPITALISTS.

TO CAPITALISTS.

The tin lode is rich and well-defined. There is a large quantity of good clay in the sett, on which the lord's dues and carriage are very low. For particulars, apply to Mr. T. Hirchins, Jun., Merchant, St. Austell; or to Mr. T. Pearce, Trenovissick, Par Station.

FOR SALE, in consequence of the death of the late proprietor, a SILVER-LEAD and BLENDE MINE, in FIRST-RATE POSITION, situate on the RHINE, and from which for years past large profits have been realised. At present in full work, and provided with complete machinery and working staff.

Address, S. Gray, Mining and Civil Engineer, Cologne, Prussia.

ROR SALE, IN ONE LOT, for £485, or separately each:

3 West Chiverton, £4 10s.; 10 Rosewall Hill, 28s. 6d.; 10 Van Consols,
£32; 20 Drake Walls, 20s.; 20 Prince of Wales, 24s. 6d.; 25 East Seton, 23s.; 20
South Carn Brea, 12s. 6d.; 5 North Roskear, £7 10s.; 100 South Van, 10s.; 25
Terras Tin, 30s.; 5 Penhalls, £5 5s.; 1 Basset, £67 10s.
Address, Mr. HUNT, 33, Finsbury-place, London, E.C.

FOR SALE, TEN QUEEN MINE (Silver and Copper) SHARES at £2. This mine has the same ledes with the Prince of Wales add two dividends in six months, while the latter has paid none. Apply to "A. B.," 83, Alexandra-terrace, Newport, Isle of Wight.

TANKERVILLE MINING COMPANY
(LIMITED).

The Directors have DECLARED a DIVIDEND of FOUR SHILLINGS PER
SHARE, free of fucome tax, payable on the 1sth February Instant.

The Transfer Books of the company will be closed from the 11th to the 1sth Instant, both days inclusive, for the preparation of the Dividend List.

By order of the Board,
J. H. MURCHISON, London Manager.

8, Austinfriars, London, February 2, 1871.

THE VAN MINING COMPANY (LIMITED).—
Notice to hereby given, that the HALF-YEARLY GENERAL MEETING Notice is hereby given, that the HALF-YEARLY GENERAL MEETING that shareholders in this coupany will be HELD at their offices, 9, Union-urs, Old Broad-street, Locadon, on TUESDAY, the 28th instant, at One o'clock

precisely.
The Transfer Books will be closed from the 21st instant until after the meeting.
By Order,
W. J. LAVINGTON, Secretary.

PRONNELOYD COMPANY (LIMITED).—

Notice is hereby given, that the SPECIAL RESOLUTIONS for holding henceforward HALF-YEARLY instead of QUARTERLY MEETINGS, adopted at the Annual General Meeting of the members of this company, held on the 25th ultimo, were UNANIMOUSLY CONFIRMED and RATIFIED at an EXTRAORDINARY GENERAL MEETING of the company, duly convened and held this day at the Victoria Hotel, Euston, London.

J. B. BALCOMBE, Managing Director.

Dated this 9th day of February, 1871.

NOTE.—Copies of the Articles of Association of the company, having attached four lithographed drawings of the surface and sectional plans of the mine, may be had from me on and after the 15th instant, at 2s. per copy.

EL CHICO SILVER MINING AND REDUCTION COMPANY

No. 2, Coleman-street-buildings, Moorgate-street, Great Swan-alley,
E.C., 10th February, 1871.

Notice is hereby given, that a GENERAL MEETING of the shareholders of
this company will be HELD at the above offices, on WEDNESDAY, the 22d day
of February Instant, at Two o'clock precisely.

By order of the Board.
T. W. YOUNGHUSBAND, Secretary (pro tem).

THE COLORADO TERRIBLE LODE MINING COMPANY (LIMITED). The Directors have this day DECLARED an AD INTERIM DIVIDEND of TWO SHILLINGS PER SHARE, payable on and after 1st March next. Notice is hereby given that the Transfer Books of the company will be closed from the 20th inst. to 1st March inclusive.

By order of the Board,
2, Winchester-buildings, February 10, 1871.

THE LONDON AND PROVINCIAL INVESTORS' SHARE EXCHANGE (POWELL, DIXON, AND CO.).

26, CHANGE ALLEY, LOMBARD STREET, LOND D.N. E.C.,
BUY and SELL every description of Stocks and Shares at close market prices net. Investors and capitalists should read the "Share Exchange Times," published by P. D. and Co. at the above offices. It contains special information upon Van, Tincroft, and other leading mines.

Twenty-six Years' Experience.

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1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.
Daily List of closing prices in British and Foreign mines published every evening, and forwarded to correspondents (free).
References exchanged. Bankers: London Joint-Stock Bank.

M R. C. A. POWELL, BRITISH AND FOREIGN STOCK AND SHAREDEALER, No. 1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C. (DODON, E.C. market prices, net.

market prices, net.

SPECIAL BUSINESS in Prince of Wales, Frontino, Sweetland Creek, South
Condurrow, Van, Taquaril, Eberhardt, and New Great Consols.

GREAT ROYALTON.—The advertiser is prepared to treat on favourable terms
with parties having business in these shares.

Price List on application. References exchanged.

Bankers: City Bank, Finch-lane, E.C.

R. COMYN, STOCK AND SHAREDEALER,
11. Investors in mines will do well to apply to Mr. Comyn for shares in West
Jewell and Excelsion Tix, and Harewood Consols Copper, Mines. He
has business in these shares at such prices as must leave a very large profit
cither for sale hereafter or for investment.

Every description of Stocks and Shares dealt in. References given.
Bankers: National Provincial Bank of England, E.C.

MR. JAMES STOCKER, 2, CROWN COURT, THREAD-NEEDLE STREET, AND MINING EXCHANGE.
Business in all Stocks and Shares for cash or account.
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Taquaril Gold, 25s., Carn Brea, £41, £13, 25s.
Prince of Wales, 33s., 35s.
Prince of Wales, 33s., 35s.
West Chiverton, £54½, \$25 a.

East Lovel, £21½, £13

Yan Consols, £2½, £13

Yan Consols, £2½, £13

Bankers: London and Westminster, Lothbury.

NOTICE.

NOTICE.

INVESTORS' GUIDE should be consulted by all Capitalists seeking SAFE and PROFITABLE INVESTMENTS.

INVESTORS' GUIDE contains the most reliable information relative to inning, Banking, Railway, Insurance, Dock, Hotel, and other Companies. FEBRUARY Number (now ready) contains the particulars of a WELSH LEAD MINE lately introduced to the public, and which will soon become, without exception, THE RICHEST MINE IN WALES. Shares, which can now be purchased at £2 10s., will very soon be worth at least £20.

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THE UNDERSIGNED TRANSACT BUSINESS AT DE, PRICES, net, in the following—(others not named, BOUGHT or racticable):

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East Lovell.
East Basset.
East Scoto.
Prince of Walcs.
Provide of Walcs.
Provide Carn.
Penhalls.
East Scoto.
Penhalls.
East Scoto.
Penhalls.
East Scoto.
West Tankerville.
West Scton. Tankerville, Terras Tin. Van Consols, West Chiverton, West Frances. West Tankerville, West Pant-y-Go, Wheal Ston, Wheal Jane, Wheal Jane, Wheal Jane, Plynlimmon. Perran Virgin. Rosewall Hill. East Seton. East Caradon. East Caradon, Perran Virgin, Eclipse. Bosewall Hills Rosewall R

JAMES BRENCHLEY, 32, Nicholas-lane, Lombard-street, London, and Mining Exchange (Established Eighteen Years).

GRATIS-FORWARDED ON APPLICATION.

A TABULAR STATEMENT OF DAYS OF MEETING OF THE PRINCIPAL MINES DEALT IN ON THE LONDON MARKET. A useful reference to investors and purchasers. JAMES BRENCILLEY, 32, Nicholas-iane, Lombard-street, London.

OFFERS WANTED FOR.—10 Pestarena United, 50 Anglo-Brazilian, 10 East Seton, 5 Eberhardt, 2) Anglo-Australian, 10

Anglo-Brazilian, 10 East Seton, 5 Ebbruardt, 2) Auglo-Australian, 10 eneral Brazilian.
BUDNICK CONSOLS.—Fifty shares for sails at 10s, each.
Country clients' business promptly at the each.
Address, Frederick Honour, 66, Davies-street, Oxford-street, London, W.

MR. R. HUGO, MINE SHAREDEALER,
CAMBORNE, CORNWALL.

Twenty-five Years' Experience,—Bankers: Miners' Bank, Camborne.
FOR SALE:—20 Cara Camborne, 39s.; 20 East Seton, 25s.; 20 South Condurrow, £5½; and 5 Cook's Kitchen, £20.

BENJAMIN LIBBY, MINE AND SHAREDEALER, CAMBORNE, CORNWALL.

The following MINES should be BOUGHT AT ONCE FOR INVESTMENT, and will seil the number at prices affixed:

10 Rosewall Hill, 284, per share,
10 Carn Camborne. 398, per share,
10 Carn Camborne. 398, per share,
10 North Crofty, £2½ per share,
20 East Seton, 26s, per share.

THE VIRTUOUS LADY MINE is now working lodes (Tin and Copper) worth from EIGHTY to ONE HUNDRED POUNDS per fathom. No expense for steam; water-power inexhaustible. Speedy and immense profits are looked for.

re looked for. A FEW SHARES FOR SALE. Apply to Mr. A. Snow, 83, Alexandra-terrace, Newport, Isle of Wight.

In Chancery.

IN THE MATTER OF THE COMPANIES ACTS, 1862 AND 1867; AND IN THE MATTER OF THE HIRWAIN COAL AND IRON COMPANY (LIMITED). THE CREDITORS OF THE ABOVE-NAMED COMPANY ARE

THE CREDITORS OF THE ABOVE-NAMED COMPANY are REQUIRED, on or before the 25th day of February, 1871, TO SEND THEIR NAMES and ADDRESSES, and the PARTICULARS of THEIR DEBTS OF CLAIMS, and the NAMES and ADDRESSES of THEIR SOLICITORS, if any, to Robert ALLAN SCLEAN, of No. 3, Lothbury, in the City of Loudon, Public Accountant, the Official Liquidator of the said company, and, if so required by notice is writing from the said official Liquidator, are, by their soil-citors, to COME IN and PROVE THEIR said DEBTS or CLAIMS at the Chambers of the Master of the Rolls, in the Rolls-yard, Chancery-lane, in the county of Middlesex, at such time as shall be specified in such notice; or, in default thereof, they will be EXCLUBED from the BENEFIT of any DISTRIBUTION* made before such debts are proved.

Saturday, the 25th day of March, 1871, at Twelve o'clock at noon, at the said chambers, is appointed for hearing and adjudicating upon the debts and claims.

VALLANCE AND VALLANCE, 20, Essex-street, Strand, London (Agents for Press and Inskip, of Bristoi).

LEAD ORES

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CIVIL ENGINEERS' PRICE BOOK, 1871.

Now ready, demy 8vo., with Three Plates and numerous Woodcuts, cloth price 6s., postage 5d.,

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(London: Longmans and Co., Paternoster-row.)

WESTWARD BY RAIL: From New York to San Francisco.—

"The increasing interest felt in this country in all that relates to the Pacific States, in consequence of the large amount of British capital Invested in the Mines, will doubtless cause Mr. W. F. Rae's: Westward by Rail' to be read by a very large number of Englishmen; and as it is as amusing as it is replete with information, no one will regret an acquaintance with it. An entire chapter is devoted to the description of the State of Nevada and its sliver treasures, and in this connection Mr. Rae affords a useful hint to intending investors. His book should be carefully studied by all classes of readers, both in England and America."—Mining Journal.

Notices to Congespondenis.

* Much inconvenience having arisen in consequence of several of the Number during the past year being out of print, we recommend that the Journal should be filed on receipt: it then forms an accumulting useful work of reference

Providence.—Every information respecting this mine can be obtained on application to the pursers, Mesers, Higgs and Sons, Pengance. With reference to the enquiry in last week's Journal, we are assured that no letters had ever reached Mesers. Higgs that have remained unanswered.

reached alesses. Higgs that have remained unanswered.

COAL MING.—" W. B." (Penrith).—The best work on the subject is probably Greenwell's (Spon), published at 21.15s., 32.3s., and 32.10s., according to binding. Hyslop's Collery Management is also an excellent and very cheap work containing ample information upon the working as well as management of collieries; the price is 15s. Either work will be forwarded on receipt of the amounts by Post Office Order.

amounts by Fost Unice Order.

CHROME OBE—"A. S. S." (Glasgow).—Replies to enquiries in this column must always be so made that all readers of the Journal may have the advantage of the information given. Correspondents requiring to establish private intercommunication must avail themselves of the advertising columns. If "A. S. S." will kindly forward to us the information offered in his fecter we will willingly publish it.

THE MINING JOURNAL.

Bailway and Commencial Gazette.

LONDON, FEBRUARY 11, 1871,

THE IRON TRADE, AND ARBITRATION.

Wages disputes in the iron trade are again coming to the front, but believe, to remain there so long as was at one time not un-The malleable ironworks in Scotland have been "out," resisting notice given by their employers for a reduction in their wages sisting notice given by their employers for a reduction in their wages; the same class of men in the North of England have been saved from a similar hostile attitude by the existence of a Board of Arbitration; whilst the ironmasters in South Wales have now given their men notice that a month hence they must submit to a reduction averaging about 10 per cent., notice being at the same time posted at the pits which supply the ironworks. It is not for us here to enter into the merits of the case on either side. It must be manifest to everyone that the ironmasters are not likely to be able to continue to give the wages in the time of decreasion that has succeeded upon the France. merits of the case on either side. It must be manifest to everyone that the ironmasters are not likely to be able to continue to give the wages in the time of depression that has succeeded upon the Franco-German war, and the consequent serious drop in prices, that they were quite able to pay before. The case of all is pretty fairly stated in the case of the masters in Wales. It is shown that for the last three months the condition of the rail branch has been such that during most of that time the question of a reduction of wages has been under serious consideration. The fall of prices almost immediately after the declaration of war fully justified the employers in taking immediate steps to carry out a proportionate reduction in wages; but, as there were a good many old contracts on the books, it was determined that no change should take place as long as the old orders lasted. Hopes were afterwards entertained that the war would soon be at an end, and that a speedy revival would follow. The Black Sea difficulty added to the duluess which prevailed, Russia being so large a buyer of rail-iron that any interference with the demand from that country could not fail to prove a serious blow to the trade. All these difficulties succeeding one another, together with the doubt which still exists as to the prospects of peace, have determined the ironmasters in Wales to take the step we have indicated. The ironworkers in the North of England, looking for a continued upward rise in prices, gave notice before the war began for a rise of 10 per cent, even wonther to the states the step we have indicated.

upward rise in prices, gave notice before the war began for a continued upward rise in prices, gave notice before the war began for a rise of 10 per cent, even upon the 5 per cent, advance which they obtained in February, 1870. When hostilities had broken out, and orders fell off and prices dropped, the masters in the North, on their part, gave notice for a drop of 10 per cent. Mutual conference between representative masters and representative men led, however, to the men consenting to a 5 per cent, drop being kept back by their employers, subject to the decision of the arbitrator who was afterwards to hear

consenting to a 5 per cent, drop being kept back by their employers, subject to the decision of the arbitrator, who was afterwards to hear both sides, and decide between them. The arbitrator has heard both sides, and has decided, and this is his answer:—
"I, THOMAS HUGHES, the arbitrator appointed by a resolution of the Board of Arbitration and Conciliation for the Manufactured from Trade of the North of England, dated Dec. 31, 1870, having heard the statements of the representatives of the employers and of the workmen on the said board, and having carefully considered the matters referred to me, do hereby award and declare that there shall be a reduction of 5d. per ton on the wages paid to puddlers, and of 4 per cent. on the wages paid to other workmen in the employenent of the several firms and persons represented at this board; and that such reduction shall take effect from Jan. I, and continue until July 1, 1871; or in the event of no further change being made by resolution of the said board, or by arbitration, after the said first day of July, 1871, then until March 31, 1872.

Peb. 6, 187.

N.B.—In using the phrase 5 per cent, on wages, in this ward, I mean to indicate the precise sum which was added to wages by agreement of the board in February, 1870. My intention is that the exact advance then made shall be now taken of."

Proceedings of the control of the board of the board of the solution was added to wages by agreement of the board now taken of."

Proceding the proceding the paragraph of the board of the board in February, 1870. My intention is that the exact advance then made shall be now taken of."

on the other had declined to be satisfied with an interim reduction of 5 per cent., both sides would have gone on losing money that could never be replaced. Wanting some such agreement, the mascould never be replaced. Wanting some such agreement, the masters and workers in Scotland are losing between them, perhaps, 30,000%, a week as utterly as if they should altogether destroy so much specie, that might otherwise have been theirs—to say nothing of the wretchedness and loss that others simultaneously experience as a consequence. What will occur in Wales remains to be seen. Meantime we cannot but expect that the decision at Saltburn will restore the profitable connection between men and masters in Scotland. Upon the result of the North of England arbitration the future action of both sides in Scotland was from the first nuderstood ture action of both sides in Scotland was from the first understood be pretty much dependent. Our readers need not have the facts he nine days arbitration before Mr. George Anderson, the memfor Glasgow, which followed the last previous strike and lockto be pretty much dependent.

here that in the end Mr. Anderson awarded the puddlers an extra 6d. a ton, and that all doubling that had been paid for at the rate of is. extra should be paid for only at 6d. Mr. Anderson, the masters understood thought that the puddler was entitled to this extra pay on account of having to turn his ball two or three times under the hammer, and always argued that if the masters did away with this extra work, the same as in the North of England, he would not have given it. The masters now say:—We will not require the puddler to turn his ball at all; take off the 6d. the arbitrator gave him for this extra work, and pay the shingler a triffe more for the work. But an account of the bad state of trade we must reduce the wages 6d. per ton, contingent upon the decision of the arbitrator in the North of England. If he decides that the men are entitled to get back the 6d. now (then) being held by the masters, then the reduction in Scotland will be only 6d. per ton, and not is., thus virtually placing the men in the same position as they were when the prices of bar-iron were higher.

In Glasgow arbitration was utilised to stop a ruinous feud. It did stop it, but at great cost to both parties, for each side had to pay its own costs. But it was only a piece of impromptu arbitration, and defective in a very important feature. However fearful the Legislature may be of bringing about once more the barbarous practice that prevailed under the Statute of Labourers, when a system of quasi-slavery subsisted, yet in modern times the extensive sales of iron rails, for instance, removes all objection to an independent vendor of labour selling, and a purchaser buying the same commodity in a reasonably large quantity wholesale, "for forward delivery." Thus forcibly that very practical and consummate arbitrator, Mr. Ruperk Kettle, put it on Dec. 30, when at a sessional meeting of the Social Science Association, in London, he read an admirable paper "On Boards of Conciliation and Arbitration between Employer and Employed, and what is r crossing swords, at the same time that we contend that the difficulty need not exist. We blame neither masters nor men for making the arbitration of last summer only partially effective. But it is clear that labour agreements in the iron trade, and other leading industries of the kingdom, must have a specified prospective as well as a stated immediate effect. The men in the North of England know the value of the arrangement, and their masters regard it as one of the most valuable of the results of the system in vogue there.

Let it be hoped, therefore, that very soon Scotland and Wales will both be able with as little difficulty to carry out a system of arbitration in all its entirety.

arbitration in all its entirety.

THE SCOTCH MALLEABLE IRONWORKERS' STRIKE-ITS COST TO THE WORKMEN.

At the beginning of this year, from facts which were in our pos session, and from others which were laid before us, we considered ourselves justified in supposing that the Scotch strike would be of limited duration.

Up to the end of this week—which circumscribes the time to a limit

Up to the end of this week—which directions are the to a mini-of five weeks—we are informed that the strike has entailed on those engaged in it a loss of between 50,000*l*. and 60,000*l*. It is calculated that fully 11,000 men of all classes have been thrown out of employ-ment by the disaster; and if their wages are taken on an average at 1*l*. each, which is under the mark, they cannot fail to have lost very arly 60,0001,

Now, as the great majority of these men live from hand to mouth, have no preparation made for strikes, nor their ulcerating influences, what an amount of avoidable privation and misery must the want of 50,000. or 60,000. entail on their innocent children and dependents? Unfortunately, the wives of such men have not yet learned the art of feeding their families on stews of macerated bones or rat's-tail soup, or on the nameless offal which sufficed to keep in life the beleagured Parisians during a torturing siege. Nor, if they had, would such dainty fare suffice a puddler's appetite. Hence the necessity that the heads of households should hail all reasonable opportunities for bringing such strikes to speedy end, in order that they may provide honestly for their offspring their "daily bread." That the families of our ironmakers now on strike are suffering much needless privation cannot be doubted, and had they only accepted the conditional terms of the masters, which, it will be remembered, was to place the have no preparation made for strikes, nor their ulcerating influence tion cannot be doubted, and had they only accepted the conditional terms of the masters, which, it will be remembered, was to place the Scotch workers on the same footing as those in the North of England, they would have been in the enjoyment of all their comforts, and gain all they are likely to secure by a strike prolonged ad infinitum. Now that Mr. HUGHES has given his decision as between the North of England ironmasters and their workmen, reducing the puddlers 6d, per ton, and the millmen 5 per cent., we hope the Scotch strike will be brought to a close, by the acceptance of the same terms. The Scotch puddlers, who have met since Mr. HUGHES's award was made, have declined to acquiesce in the decision, as it does not embrace a 6d, advance given by Mr. ANDERSON, who arbitrated for them so recently as November last, although they have been relieved by the masters of the work for which the 6d, was been relieved by the masters of the work for which the 6d, was granted. In these circumstances, to make this 6d, a "bone of contention" is neither just nor reasonable; and if it is doggedly persisted in, it is difficult to foresee what "figment" may not be converted into reasons for originating or prolonging a strike. Taking, however, all the circumstances of the case into view, we trust our Scotch frionds will realise our hope that this inopportune strike will have only a limited duration.

THE SOUTH WALES MINERAL BASIN.

Our readers will probably remember that some three years since Mr. EVAN DANIEL, the well-known mining engineer, of Swansen, was appointed by the Royal Coal Commissioners to the important office of Mining Engineer to the Commission, for the western division of the South Wales coal basin. The duties appertaining to the office were not only onerous and important, but were such as required a most intimate practical acquaintance with the South Wales coal field. At the time of Mr. DANIEL'S appointment we result to require the the time of Mr. Daniel's appointment we ventured to predict that he was eminently qualified for the office, and that the work would be performed in a manner highly satisfactory. During the past week we have been favoured with a view of the whole of the plans, sections, diagrams, computations, and summaries of computations com-piled by Mr. Daniel, and most assuredly our predictions as to the manner in which this work would be executed have now been most fully verified. Our readers can form but a very imperfect idea of the immense labour—the almost interminable calculations—which these three years' work has entailed. Suffice it to say that Mr. DANIEL has personally visited the numerous collieries in his district, extend-By this decision we have no doubt that the men in the North will abide strictly. Their conduct, hitherto, in connection with the business of their Arbitration Board has been such as to give confidence as to the future. Unless, like their employers, they had shown a disposition honourably to work out the system, no such a preliminary arrangement as that which enabled them to go on working under the conditions we have named, subject to the ultimate decision of Mr. Hughes, could have been carried out. Upon this they have to be congratulated. Thus they have avoided a source of irretrievable loss. If they on the one hand had censed to work, and the masters on the other had declined to be satisfied with an interim reduction.

Of course, in a large area like that of South Wales the coal lies

of course, in a large area like that of South Wales the coal lies at very unequal depths, consequent on the numerous faults and dis-locations, and Mr. DANIEL, by means of numerous coloured dia-grams, shows at a glance the area which can be worked at these va-rious depths, all of which valuable information has been obtained by means of numerous sections supplied and taken by himself. We were not at liberty to take notes of the results arrived at by Mr. DANIELL, as the information has been prepared especially for the Royal Coal Commissioners, who are about resuming their investigations, and in the course of a short time the plans, sections, and calculations, &c., will be produced, and the evidence of the most able scientific mining engineers taken thereon. We may, however, state, without any breach of confidence, that the results of Mr. DANIELL'S of the nine days arbitration before Mr. George Anderson, the member for Glasgow, which followed the last previous strike and lock-out in Scotland, again brought before them. It need simply be said

fuel for generations to come. The plans, diagrams, &c., which are now being forwarded to the Royal Commissioners, are most valuable to the mining world generally, whilst they may justly be regarded as proof of the practical ability, personal knowledge, energy, and perseverance of the gentleman to whom such important duties were footunetally entrusted. fortunately entrusted.

EFFECT OF COLD ON IRON AND STEEL.—The experiments for ascertaining the effect of cold upon iron and steel, recorded in papers read before the Manchester Literary and Philosophical Society, and referred to in the Mining Journal of Jan. 28, have been continued by Mr. W. H. JOHNSON, of Bowdon. He was careful to maintain a nearly fixed temperature, and thus avoid to a great extent the error occasioned by the rise in temperature consequent on sudden torsion, A piece of charcoal wire rod, 0.237 in. in diameter, was carefully tested. Tested at a temperature of about 40° Fahr., a sample of this bore 20 twists, while the adjacent piece, raised to the temperature of melting zinc, stood but 10 twists. In the second experiments the figures were 19 and 9 twists respectively; and in the third 17 and 7½. Twisted very slowly, surrounded by salt and snow, a sample bore 19½ twists, while at a temperature of about 40° Fahr. it stood but 15 twists. The great dimination of strength at the temperature of melting zine was noticed as very remarkable. Mr. BROCKBANK considered these experiments did not affect the conclusions stated in his paper. He believed that the strength of iron under torsion was most effected by the heat developed by the twisting, and that the cooling mixture employed by Mr. JOHNSON would have the effect of making the wire stand a greater number of twists by counteracting the expessive heat revoluced by the twisting. making the wire stand a greater number of twists by counteracting the excessive heat produced by the torsion.

THE IRON AND STEEL INSTITUTE.—Probably few societies have made such rapid and satisfactory progress as the Iron and Steel Institute, much of its success being attributable to the ability and earnestness with which the Duke of Devonshire has performed the duties of President, and the step which has been taken by the council with regard to the record of the proceedings of the Institute is calculated to prove highly advantageous to the members, and, therefore, to increase the popularity of the society. The "Journal of the Iron and Steel Institute," which is totake the place of ordinary "Transactions," forms a good octavo volume of nearly 300 pages, and is illustrated with an abundance of plates; it is intended to embrace all matters of interest, both of a practical and theoretical character, bearing on the manufacture of iron and steel, and as it may be assumed that it will be supplied gratuitously to members, they will possess something more than mere honour to remind them of their connection with the Institute. Mr. David Forbes, F.R.S., has undertaken the office of foreign secretary, and will undertake to furnish in each number an outline of the contents of the various continental journals devoted to technical matters connected with the tinental journals devoted to technical matters connected with the iron and steel industry. The first foreign report is necessarily very incomplete, and has evidently been hurriedly prepared, but the idea is excellent, and if carried out with sufficient care and assiduity will become a really invaluable record. become a really invaluable record. The volumes will prove of great utility to all connected with the trade.

NEW ZEALAND COAL.—The New Zealand House of Representatives has had an interesting debate upon the subject of the coal wealth of the colony. Mr. Stafford referred to the coal field on the Grey River, and said that both there and in other parts of New Zealand excellent coal could be obtained if proper facilities existed for working and maintaining it. Another speaker argued that the Mount Rochfort and Grey River seams alone could supply the whole colony with coal. Another speaker observed that specimens of coal raised at Mount Rochfort had been shown at the New Zealand Exhibition at Dunedin; the quantity of this coal was estimated at 145,000,000 tons, and its quality was found to be equal not only to Australian, but also to Welsh coal. From the years 1853 to 1869, inclusive, New Zealand imported coal to the extent of 693,633 tons, and of the estimated value of 1,324,030*l*. NEW ZEALAND COAL.-The New Zealand House of Representa

MINING IN NEW MEXICO.—The close resemblance of the ore in the newly-discovered Cienega district to that of the White Pine rethe newly-discovered Cieuega district to that of the White Pine region has been remarked by many experienced miners, and letters recently received from Silver City, some 50 miles north-east of Ralston, are of the most encouraging character; numerous statements having been received that even the explorations already made indicate that the ore occurs in well-defined fissure veins, and not in pockets, as is the case at White Pine. However this may be, it is certain that in the immediate vicinity of Silver City there are immense deposits of silver ore, the richness of which is unquestionable, and the quantity of which, whether it lie in pockets or veins, is well nigh inexhaustible. The portion of the district in which the ore is most abundant extends over a space fully $\frac{1}{2}$ mile in width, and running north-east and southwest for a distance of three miles. The work, so far, has been little more than prospecting. Shafts, some 10 or 12 ft, in depth, have been over a space fully ½ mile in width, and running north-east and south-west for a distance of three miles. The work, so far, has been little more than prospecting. Shafts, some 10 or 12 ft. in depth, have been sunk, and the requirements of the law generally complied with, but no extensive operations have yet been undertaken. The ore taken out at these shafts assays from \$1000 to \$2200 to the ton, and some specimens have even gone as high *s \$3500. The greater part of this ore partakes of the nature of chloride, or what is called "horn silver." Rich as it is, it sinks into insignificance beside a discovery which was made six months since, in what is known as the Chloride district, where ore has been obtained averaging 80 per cent. of pure silver. The Pinos Altos Gold Mines, about 10 miles north, were discovered and worked before the war, and are said to have already yielded several hundred thousand dollars worth of the precious metal. But little work is being done here, except in the way of placer mining. The gold quartz is found in a range of hills nearly 1000 feet above the level of Silver City. The richest ore is found in the very tops of these hills, and it gradually decreases in value as we descend. As the gold disappears silver is developed, and still deeper copper and iron pyrites are found in immense quantities. The latter have been found so difficult to work that they have never been penetrated, and the mining has been confined to surface operations. the mining has been confined to surface operations.

MINING IN THE UNITED STATES.—In its annual business review for the year just passed, the New York Tribune, which is an excelent authority on such matters, refers to the mining of the precious metals in the following language:—

"We produced at least sixty millions of gold and silver in 1870—probably more—and exported rather less than that amount, leaving our imports of species as clear gain. We estimate that there are thirty millions more of coin in the country to-day than one year ago. Recent developments of remarkably rich silver lodes in Colorado, New Mexico, and more especially Arizona, justify the expectation of an increased product of the precious metals in 1871, and a still greater increase thereafter. When the Southern Paolife Railroad shall have traversed Arizona we are confident that our annual product of gold and silver will average two hundred millions of dollars. We have no reason, therefore, to deplore the exportation of the precious metals, since that does not now prove an unfavourable balance of trade. Gold and silver have become staple products of the United States, like wheat, bacon, and cheese, and will hencefort be exported more extensively than they are imported by us so long as our mines shall remain productive."

DOMINION OF CANADA OILS REFINERY COMPANY (LIMITED)-Houghton and Howell's Parents and Processes.—The prospectus of this company is now complete; the capital is 150,000l., in 30,000 shares of 5t. each, to be fully paid up, but only 13,000 shares are offered for allotment. It will be seen by reference to an article "On the Oil Trade of Canada," which appeared in the Journal of Nov. 5, and to which we refer our readers, that the oils manufactured by this process are reported to be unsurpassed for purity, being thoroughly deodorised, cheapness, and durability; and that even hot cylinders and hot bearings have no appreciable effect upon their cylinders and hot bearings have no appreciable effect upon their lubricating oils. The profit upon the manufacture, as stated in the prospectus, and vouched by figures, ranges from 100 to 300 per cent, on the capital employed, which is thoroughly startling to ordinary investors; but the surprise will soon be lessened when the fact is regarded that the outside price for the crude oil of Canada is \$2 per barrel only, while the United States crude sells at \$8 per barrel, showing a difference of 24s, per barrel in first cost; and this on 350,000 barrels per annum, the quantity at present proposed to be treated barrels per annum, the quantity at present proposed to be treated under these patents, and rendered equal to the best American, leaves no further room for question on that head. The company do not propose to purchase oil wells or lands, but simply to continue the manufacture of residuum and orude oil; and, therefore, as is alleged

no element of speculation enters into its operations. The certificates from eminent London and country firms confirm all the Canadian statements, and these are again supplemented and strengthened by extensive orders for the oils. One order from a celebrated company extends to 100,000 barrels per annum, the profit on which is represented to the confidence of the confiden sented to be 300,000l.

MINING IN NORTH WALES.

MINING IN NORTH WALES.

Although the condition of the Coal Trade is satisfactory, yet there is a feeling of uneasiness in several districts, owing to the efforts being made by agents of the Amalgamated Association of Miners to cause a strike unless an advance of wages is conceded. Coalowners, however, are not in a position to accede to such demands, and the result has been that rumours of strikes have prevailed, and the collieries named at which the men would give notice. Mr. T. Halliday, the president of the Amalgamated Association, and one or two of the agents, have been visiting some of the districts. One of the latter, a Mr. Wroe, met with a been visiting some of the districts. One of the latter, a Mr. Wroe, met with a been visiting some of the districts. One of the latter, a Mr. Wroe, met with a been visiting some of the districts. One of the latter, a Mr. Wroe, met with a been visiting some of anything but a flattering pharacter on visiting a colliery near to Mold. He went into the manager's office, gave his name and business, and was very uncermoniously thrust out, his honour being wounded in the most sensitive part; for, as Hudibras puts it—

"One wound behind hurts honour more

Than twenty blows received before."

As a rule, however, the colliers have no desire to strike, knowing from past experience that to do so woiled ensure a long season of suffering and poverty to themselves and their families. But, as members of the association, they are obliged to follow the lead of others. Still, seeling that the amalgamated body, if out to-morrow, could not pay their members one week's pay, and as there is no sympathy between them and the National and South Yorkshire Association, we do not think a strike is imminent, but believe that the leaders will confine themselves to threats.

The accident which took place about a fortnight ago at the Rose Dew Colliery, near to Wrexham, by the Rooding of the mine with water, although of a serious character, is likely to be soon overcome by the exerctions being made to cle

where the water broke out was through the sheeting, some 1 years of the top, the crevize being about \(\frac{1}{2} \) in the depth, and about 1 foot in length. When once that place is reached the e will not be much difficulty in stopping the progress of the water, which is being pumped out at the rate of \(2\frac{1}{2} \) million galions every 24 hours.

In the Mold district the collieries are doing a very fair business. At Leesewood Green a good deal of excellent Cannel coal is being raised, and the men are so far showing no disposition to leave work, although the coiliery was at one time the centre of disaffection, and the workmen at it caused the riots in Mold in June, 1869, when four persons were shot by the soldiery. The Bronfield Colliery, which was drowned out some months ago, has been cleared of the water, and is now in the market for sale. The Bronwhils pits, now under the management of Mr. Cottingham, are doing an extensive business, and are raising a large tonnage of coal. At the Coppa Colliery, well known for its fine Cannel and other coal, the main coal has been found in a new tract of ground, and promises to turn out very well.

The extensive mineral fields in the neighbourhood of Hawarden, belonging to Sir Stephen Glynne, and his brother-in-law, Mr. Gladstone, our Premier, are likely to be more fully developed than has hitherto been the case. In addition to several valuable seams of good steam and house coal, there are some fine beds of excellent clay in connection with them. At the Aston Hall Colliery, the lessor of which is Mr. Gladstone, they are working the new seam, and the Three-feet and Four-feet coal. To extend operations, a pair of 24-in. cylinder engines are being put down. The lessees of the colliery, which includes several large Yorkshire capitalists, have erected large brick and tile works, with all the most approved machinery and appliances, and expect shortly to do business on a very extensive scale, as they will be able to ship their material from the River Dee, at Queensforry.

nah's Quay Railway. Although but little has been done, so far the prospects are now most encouraging, and one communication by railway is completed a large bulness will be the result.

Queensferry, situate in Flintshire, and distant about six miles by railway from Cheeter, has several important advantages as a mining district, where the minerals raised have to be sent to distant localities. Having a station on the London and North-Western Railway, the coal raised can be sent either to Chester and Birkenhead, or down the line towards Holyhead, or it come be shipped direct from the quay by the Dee side, from which a good deal of coal is sent to Dublin and other places. Amongst those colleries which have seen and embraced the natural advantages of position to which we have alfued may be mentioned the Prestatyn Colliery Company. Their Eleanor Colliery, under thable and energetic management of Mr. Gilfory, who has seen it through all its stages since the sinking commenced, is now doing a large and profitable business. There are four beds being worked—two Four-feet beds, a Tire-feet bed, and a Nine-feet one. The last named has been proved to be a seam of good steam coal, and nearly 1000 tons of it are now being drawn weekly. It is, how ever, expected that the drawing will shortly be nearly doubled, so that the prospects of the concern turning out highly profitable are in every way heaithy and bright. At Mr. Thompson's collery, in the same locality, a large trade is being done, the workmen getting the Twelve-feet seam, as well as the lower hed in the two new pits.

At Bagilt, near Holywell, where for some time past the sinking of probably the largest shaft in the kingdom has been proceeded with, under more than ordinary difficulties, agood deal of coal is being raised. The Butterfield colliery, the shaft of which is upwards of 20 ft. clear in diameter, sinking has been proceeding satisfactorily of late. The Bagilt Colliery Company's pit is doing very well, working no less than four beds, including the Three-yard, the

the Yard coal.

Some three or four miles from Holywell is one of the largest collieries in that part of Flintshire, and where a good deal of the coal is got under the bed of the fiver Dee, and known as the Mostyn Colliery, belonging to a small company, which has recently taken to it, and of which Mr. Lancaster is one of the principal members. In addition to the working of the coal there are some valuable deposits of ironstone not far from the pit, and for the purpose of utilising it two blast-furnaces are being erected near to the pits. Branch lines to the railway are also being constructed, and a sea wall has been built between the River Dee and the railway. Other collieries, it is said, are likely soon to start in Pilntshire, seeing that not only are there extensive fields of coal in the interior of the county, but a supply under the basin of the River Dee that will take some hundreds of years to exhaust. The ironworks at Hawarden and other places are kept well going in bollers, general castings, and machinery for mining requirements.

Increased progress is being made in the development of the value.

places are kept well going in boilers, general castings, and machinery for mining requirements.

Increased progress is being made in the development of the valuable deposits of lead ore in North Wales, yet it is scarcely equal to what might be expected, seeing the large number of mines being worked. At the present time there are upwards of 160 mines, where more or less ore is being raised, yet only a moiety of them are paying dividends, whilst a great number are not even making expenses. One of the main drawbacks to many of those concerns is the limited capital which has been embarked in them, and the consequent want of efficient machinery for the pumping of water act other material purposes. Such places, as Broofloyd, which in 1869 raised 533 tons of ore, and the valuable Lisburne Mines, which include the Frongoch, with several others, show that Cardiganshire contains some fine beds of ore, and are about the richest of any, so far as regards silver, in the Principality, glving an average of more than 8 ozs. to the ton. Montgomeryshire has the noted Van, the well-known Dyliffe, the Lianor chyraur, and about 14 other mines, producing at the present time a very large toninge of ore. The Minera and the Maess-y-Safn appear to be the only mines of any great consequence in Deublighshire, whilst Flintshire, having the greatest number of mines, produces a very moderate quantity of ore when compared with the counties previously named. Still, Flintshire contains vast tracts of mineralised ground, which in all probability will not be developed for many years to come. Some progress, however, is being made in that direction, and some recently open do not concern give every promise of turning out profitable, Amongst these may be named the Mold Mines, formerly the old Cathole, and the Gian Alyn. The Halkid Mountain has long been considered one in which fine for a long time. A Molywell Level having in particular been very successful for a long time. Gian Aiyn. The Haikin Mountain has long been considered one in which fine ore would be found, and the mines there have turned out to be profitable, the Holywell Level having in particular been very successful for a long time. A new mine in the same district, under the name of the Ffron, is now being started under the management of Mr. Francis, of Holywell, and new engines and machinery are being put down. The prospects of success are said to be very promising in seed. At West Panty-Go they are now engaged in driving out, under the superintendence of Capt. Harper, and the mines appear likely to do very well. The Rassesmor Mine has been standing some three or four weeks, owing to an accident to the machinery, the flue of one of Baiter's engines having given way, owing to the thinness of the iron. The men are now waiting to see the result of the examination of the boilers and the putting down of new ones if necessary.

THE GEOLOGICAL SURVEY OF CANADA.—The loss which the Cana-THE GEOLOGICAL SURVEY OF CANADA.—The loss which the Canadian Survey had suscained by the decease of Mr. Hartley was referred to in the Mining Journal some weeks since, and we are now enabled to subjoin the very lateresting obtinary notice by Dr. T. Sterry Hunt, just published in the "American Journal of Science and Arts: "—" Mr. Réward Hartley, Mining Engineer of the Geological Survey of Canada, died in Pictou, Nova Scotia, on Nov. 10. aged twenty-three years. Mr. Hartley was the eldest son of Mr. William M. B. Hartley, of New York, and grandson of Mr. Philos Blake, of New Haven. He early showed a special aptitude for the study of the natural and physical sciences, and for mechanics. At the age of 15 he became a student in the Sheffeld Scientific School of Yale College. On leaving the school, though still very young, he was at once charged with the examination and surveying of mineral lands in Maryland and Pennsylvania, and subsequently with the erection of

machinery for working gold in North Carolina. His abilities attracted the attantion of the effects of the Geological Survey of Canada, under Sir W. S. Logan, year he was appointed Mining Engineer to the Geological Survey. He desired the proposed of the Geological Survey. He desired from this time confined bitm to the cand fields of Nova Scotta, where in 1888 he worked conjointly with Sir W. E. Logan, and in 1899, abone, completing a care to the Geological Survey. He desired from this time confined bitm to the cand fields of Nova Scotta, where in 1888 he worked conjointly with Sir W. E. Logan, and in 1899, abone, completing a care of the Geological Survey. Be and in 1899, abone, completing a care of the Geological Survey. Deriving 1870 Mr. Hartley was engaged with an assistant in the survey. During 1870 Mr. Hartley was engaged with an assistant in the survey of the Cumberand coal-basin in Nova Scotta, and of the Cape the coal the Law Institute, the condition of the Cumberand coal-basin in Nova Scotta, and of the Cape the matter in dispute to some gentleman to be named, and sanctioned the matter in dispute to some gentleman to be named, and sanctioned the matter in dispute to some gentleman to be named, and sanctioned the matter in dispute to some gentleman to be named, and sanctioned on the defendants of the matter in dispute to some gentleman to be named, and sanctioned the matter in dispute to some gentleman to be named, and sanctioned the matter in dispute to some gentleman to be named, and sanctioned on the defendants of the matter in dispute to some gentleman to be named, and sanctioned on the defendants of the matter in dispute to some gentleman to be named, and sanctioned on the defendants of the matter in dispute to some gentleman to be named, and sanctioned on the defendants of the matter in dispute to some gentleman to be named. The heart of the matter in dispute to some gentleman to be named in the matter in dispute to some gentleman to be named. The heart of the matter in dispute to some gentleman to

The shipments for the week not only show a better coasting trade, but an increase on the whole, the foreign and coastwise reaching together 9349 tons against 7817 tons in the corresponding week last year. This is the first increase this year over the shipments of the corresponding week of 1870, which we hope will be maintained. In Manufactured Iron we can only note a continuation of the strike generally, with nominal quotations, and business paralysed. At a meeting held yesterday at Motherwell, Mr. Hughes's decision was read and discussed by the workmen, who ultimately resolved to offer their services on the terms which Mr. Hughes had decreed; but the puddlers would on no account submit to the withdrawal of the 6d. awarded them by Mr. Anderson for following their iron to the hammer, even though the masters had provided others to do the duty. In this "fix" the question is now held as in a vice, the puddlers showing themselves unable to take a reasonable view of their duty. In this "fix" the question is now held as in a vice, the puddlers showing themselves unable to take a reasonable view of their position. They have not got any funds from England to assist them in maintaining the strike, although they have got "good" promises, and yesterday deputations were appointed to travel the country to warn against giving subscription to others than those accredited to raise the "sinews of war," so as to enable them to hold their untenable position some short time longer.

The Govan Malleable Works are expected to have their engine in working order by Manday now, but the damage does at the Black

The Govan Malleable Works are expected to have their engine in working order by Monday next, but the damage done at the Blochairn works will take a week or two longer to make good.

Coals are a turn quieter, the fresh weather bringing easier prices and a more limited demand. For spring shipment a few enquiries have been made, but prices offered prevented business being done. Manufacturing coal is well sustained, and burnt coal and coke meet with ready purchasers. Prices are not being quoted lower, but a drop of perhaps 6d. a ton will have to be submitted to before the month is closed. The shipments for the week amount to 32.913 tons against is closed. The shipments for the week amount to 32,913 tons, against

28,673 tons in the same week of 1870.

A large bing of coal caught fire at Gartsherrie Ironworks, Coatbridge, which kept blazing on for several days. The mass was, however, allowed to burn itself into a-hes, without doing more injury than consuming the coal Although the value of the fuel was considerable, the Gartsherrie firm will be able to execute the less.

Attough the varie of the relevant sensite rate, the Gartsherric firm will be able to sustain the loss.

A monster blast, of about 4 tons of gunpowder, is expected to take place at the Bonaw Granite Quarries, Argyll-hire, on Friday this week. Miners have been employed during the last 13 months preparing horizontal headings and powder chambers, and the civil engineers of this neighbourhood have been specially invited to witness the firing of the mass, which is to be done according to scientific principles.

REPORT FROM THE FOREST OF DEAN.

Feb. 9.—One of the principle subjects engrossing the attention of persons connected with mineral property here is the new draft Bill, framed by the Crown lawyers, preparatory to a new Act for regulating the working of mines in this district. This step has been taken at the instance and in consequence of the strong feeling exhibited by the Dean Forest Defence Association. The new draft Bill does not by any means meet the wishes or the requirements of the district; all persons, therefore, at all interested in mining here are invited to study, and give in their opinions and recommendations to the Defence Association Committee. Every clause will be well and manfully fought, and if there are not persons on the committee of management of pretentious views and feelings some good may result. Where, however, we find would-be mining men putting themselves forward as leaders in such a cause we certainly cannot expect great benefit to the community at large from the ability at least of such advisers. Gentlemen of years and experience in mining in this district are those best qualified to lead, but a certain amount of indifference must always be the result when the inexperienced will Feb. 9.—One of the principle subjects engrossing the attention of indifference must always be the result when the inexperienced will bring them into a prominent position. Mining is like every other profession or occupation, a knowledge of it cannot be picked up in a moment; it can, however, be professed in the lateral sense, al-though not possessed. If the ability to manage a mining property could be acquired without either experience or its equivalent there would be no inducement to spend five or six years as a pupil of some

would be no inducement to spend five or six years as a pupil of some mining notable in order to acquire a thorough theoretical, as well as practical, knowledge of the profession.

At the Thatch or Independant Colliery explorations have been going on for the purpose of discovering the actual boundary line which divides it from the adjoining colliery—the Hopewell, in Wimbery Bottom. It appears that prior to 1864 the owners of the last-mentioned colliery drove to and crossed the boundary line, taking from the other property over 50,000 tons of coal. The levels from the Thatch or Independant Colliery are driven from the side of a hill, and bear nearly north for a considerable distance; the strata then rise from the Hopewell to the westward, whilst from the Independent side the rise is towards the east, thus meeting in an anticlinal or natural ridge high up in the hill, at a considerable altitude both from the Hopewell and Independent Collieries. The Commissioner of the Crowg under the Dean Forest Mining Actawarded all the coal lying between the deep water level to the ridge, keeping on the west side etween the deep water level to the ridge, keeping on the we thereof, to Mr. Lewis, of Lydbrook. From the water level at the Hopewell Collieries to the same ridge, and on the east side of it, the coal was awarded to Mr. Peter Teague and others, of Coleford. The coal was awarded to Mr. Peter Teague and others, of Coleford. The north-west portion of the Independent was worked by Mr. Lewis for more than 30 years after the award was made by the Crown, while the southern portion was left untouched by him, and reserved to be worked at another time. In 1864, however, the old Independent level was re-opened, and gate-roads driven up on the inclination of the strata with the intention of getting the coal. It was then discovered that a great portion had been worked from the Hopewell Colliery. Other exploration roads were driven, and at all points like results were obtained. These exploration roads were driving a very continued on results were obtained. These exploration roads were continued on through the old workings until the ridge or auticlinal line was met at several points.

The services of Mr. H. D. Hoskold, of Cinderford, were engaged, and as engineer he conducted the excavations, made surveys, and took levels thereof; and, after consulting with the plaintiffs—as representatives of Mr. Lewis—it was decided that he should select some good lawyer to carry on the legal department. It was ascertained by him, prior to employing a solicitor, that the quantity of coal taken would justify legal proceedings. Messrs. Wintle and Mane were, therefore,

The Commissioners, in considering their award of 1841, took into consideration the claims of all persons who put them in, and it was their business to make a just and equitable adjustment of all differences, and to settle for ever the metes and bounds of the property mentioned in their award. The claim was set up under the agreement of 1802, was never brought before the Commissioners, so the defendants say, but if they did not think proper to lay claim when public notice was given how could they expect to be recognised. The public notice was given, how could they expect to be recognised. The fact was they had no claim at all, for there is evidence that all these old agreements came before them, and were duly considered. It is to be hoped that the Arbitrator will decide in favour of the award, and it is thought he cannot do otherwise. It is of vital importance for the Forest that he should, as in the event of his not doing so the whole of the property in the district will be also subject to be upset by the production of some old agreement. We will return to the subject when the case is decided subject when the case is decided.

TRADE OF THE TYNE AND WEAR.

TRADE OF THE TYNE AND WEAR.

Feb. 9.—There has been a good supply of shipping lately in these rivers, and trade has been somewhat better, although the Northern and Baltic ports still continue closed with ice. Several steamers have been engaged in taking coals to French po be —thatis, Havre and Dieppe. The Coal Export Trade continues very dull, but the demand for coke, both for home consumption and export, continues. The House Coal and Manufacturing Coal Trades also continue good.

From Browne's "Export List" we learn, what of course was anticipated, that the exports of coal for the month just passed are much below those of January, 1870. However, the frost has disappeared entirely here, and it is hoped that the ports in Northern and Eastern Europe will be open soon, when the export trade will be opened. The Iron Trade generally, although no advance is quoted in the lists, is decidedly firmer, with a much better prospect; and now that the war is considered as ended, and the wages question settled, it is expected that the demand for all kinds of iron will be good during the present year. The demand for ship-plates is extremely good at present, and most of the foundries, engine-works, &c., are pretty well employed. The traffic on the North-Eastern Railway continues to increase. The branch from this railway system to the Newcastle Quay has proved a decided success, and imports and exports have increased much in consequence. The weather continues extremely rough and stormy in the North Sea, and mach injury and detention to shipping has occurred in consequence. A large number of laden vessels sailed from the Tyne and Wear on Monday, but many of them have been obliged to return to the Tyne for safety.

An accident occurred at Castle Eden Colliery, which caused the

curred in consequence. A large number of Inden vessels saled from the Tyne and Wear on Monday, but many of them have been obliged to return to the Tyne for safety.

An accident occurred at Castle Eden Colliery, which caused the death of John Gray, an overman, and scriously injured Goorge Barker. It appears that a set of tubs were being brought to a landing about three-quarters of a mile from the shaft, when the first one fell off the way, those behind being piled above it in such a manner as to bring down some tluber which supported the roof. Gray was busy superintending the repairs of the way, when a large piece of stone fell from where the timber had been dragged away, and struck him and Barker. They were conveyed home, but Gray survived only half-anhour; he leaves a wife and five children. Barker is in a critical state, and there is little hope of his recovery.

The adjourned inquest on the bodies of George Charlton and Wm. Telford Candiish, who were drowned in No. 1 Pit, Seaham Colliery, on Jan. 24, was held on Monday, at the New Seaham Inn, Seaham Colliery. Mr. Wills, Government Inspector of Mines, was present. The first witness called was John itoxby, hewer, who said that on the 24 h ult. he was working as usual in the west way, Huton seam, No. 1 Pit, but did not observe anything particular, except a sight dampness towards the bettom of his place, till the water made a rush away, and "all things came away together." Charlton was putting from Candiish, who was two piliars to the dip side of Roxby. There were six hewers and two putters working in the flat. They all got out with the exception of Charlton and Candiish. There was not time to warn those two, although every attempt was made to do so. He had no idea of any lodgment of water, or that old working were there. Another viewer gaves indire vidence. Wm. Dakers, colliery viewer, produced a copy of the pian of that portion of the mine in which the water and way and de-cribed the piaces where the mon were working. The coal in the old working was to his kno

NORTH OF ENGLAND INSTITUTE OF MINING ENGINEERS.—At the

NORTH OF ENGLAND INSTITUTE OF MINING ENGINEERS,—At the meeting of members, on Saturday last, there was a good attendance, the main attraction being the reading of the paper of Mr. Beanlands, of Durham. The chair was occupied by the President, Mr. E. Boyd, After the election of members and other routine business was disposed of, the paper, on "Mine Surveying," alluded to, was read by Mr. Beanlands; and it proved to be one of a most elaborate and exhaustive character, treating more particularly of a method of underground surveying introduced by him, but also noticing all other systems of surveying. The ordinary system of underground surveying, as is well known, is by means of the compass or circumferentor, and, of course, in this system of surveying the magnetic needle is of prime importance. In very important surveys, where the greatest accuracy is indispensable, in order to meet existing shafts and drifts, &c., by other drifts, the magnetic needle is liable to cause errors from various causes, which are clearly pointed out in this paper, and in consequence of these errors and defects the writer has invented and introduced a mode of underground surveying, which ensures the greatest possible accuracy. By means of a transit instrument he gets a sort of base line, or starting point into the underground workings, which corresponds with the surface surveys, which have pre-viously been accurately made, and thus he can continue his under-ground surveys to any distance, no matter how circuitous or varying in level the route may be, and this he can do with so much accuracy

that the variation shall only amount to a few inches in a mile.

The paper was well illustrated by diagrams, which were suspen ed

on the walls, and the author also described many cases where he had carried his system out on an extensive scale, and where the result-have fully proved the value of his invention, which he could only have been enabled to make through having some astronomical knowledge. It should also be observed that this paper in some measure concludes a series on Surveying and Levelling which have lately been brought before this Mining Institute. First a paper was read by Mr. A. Ramsay, and one was also read by Mr. Howard of a simi-lar character, and all these papers taken together, the last, no doubt, lar character, and all these papers taken together, the last, no acous, being of paramount importance, will form a most valuable chapter or treatise on the subject of Mine Surveying and Levelling, and will prove an important addition to the next volume of the Transactions. It is understood that Mr. Ramsay is to succeed Mr. Willis as manager of the Washington Collieries, the latter gentleman having accepted the office of Mine Inspector for South Durham.

MECHANICAL VENTILATION OF MINES.—This system of ventilation continues to make rapid progress, and several of the Guibal Fans have been made lately at the Grange Ironworks, near Durham. As has been often remarked in this letter, this kind of fan has driven all others out of the market here, and one of them was started at the Castle Eden Colliery last week, which has so far given the greatest satisfoction. This fan was constructed at the Grange Ironworks, and its dimensions and results are as follows:—The diameter of the fan is 30 ft., and it was worked up to 66 revolutions per minute; at this speed the water-gauge indicated 3·1 inch, and the quantity of air put into circulation was 114,000 cubic feet per minute—a large this speed the water-gauge indicated 3·1 inch, and the quantity of air put into circulation was 114,000 cubic feet per minute—a large quantity of air, and got with a comparatively low water-gauge. The large fan erected at the Usworth Colliery, 45 ft, in diameter, which we noticed some time ago, has not yet been fairly started, but it is expected to be done during the present week, and we shall give an account of its performance. This fan was started some ten years ago, but owing to an untoward accident to the machinery the final start has been delayed some time, but the results from the former partial start were encouraging, and there is no doubt that the results obtained when the machine is got to its maximum speed will be sufficiently startling to the mining world. ciently startling to the mining world.

WHEATLEY HILL COLLIERY INUNDATION,—The enquiry into the cause of the inundation which occurred at Wheatley Hill Colliery on Jan. 19, by which four men and a bay—John Bell, James Hail, John Walker, Robert Smith, and George Cooper—lost therein their lives, was held on Thursday In the Reading-room at Whigate Grange, by Mr. Crofton Maynard, corner. Mr. Hay-underviewer, produced plans of the workings, and showed that the water had accumulated in a nurrow bord on the north-east side of Thornley workings, towards which a drift was being driven from Wheatley Hill Colliery, holes being bored at certain distances, one in advance and one one calcide, to "tap" the water and let it off gradually. Witness agreed with the theory of an advance hole, but did not see the necessity of having side holes. By his calculation the "square face" in the narrow bord where the water stood had been extended it 5 gards further down towards Wheatley Hill than was shown by the colliery plans, and thus the water was reached some days carlier than was anticipated. Witnesses were called on behalf of the mon to show that the cause of the hundation was the neglect to put in bore-holes to tap the water, and so prevent it from bursting away as the coalt was hewed down in front of it; that the underviewer and overman, William Hays and Thomas Watson, were aware or the dangerous proximity of the water, and that the accident might have been prevented by using the Hanking holes, which they had neglected to do. Die Jury returned the following verdict, tantamount to a charge of manshing they against the viewer, under viewer, and overman:—"That the deceased parter against the viewer, under viewer, and overman is—"That the deceased parter against the viewer, under viewer, and or were all proper bore-holes." The corner at once admitted the accused to bail on their own recognizances of 40, each, to appear to answer a charge of manslangither at the Assizes. The enquiry fasted to none WHEATLEY HILL COLLIERY INUNDATION .-- The enquiry into the

REPORT FROM THE NORTH OF ENGLAND.

Middlesborough, Feb. 9 .- The state of trade in this locality is little Middlesborough, Feb. 9.—The state of trade in this locality is little changed since our last report. The attendance on 'Change at Middlesborough, on Tuesday, was an average one, but the busine s done was of a limited character. Pig-Iron prices, however, remained firm at last week's rates—46s. 6d. to 47s. for No. 3, 50s. to 50s. 6d. for No. 1, net cash on trucks at makers' works. The uncertainty which surrounds the state of continental politics naturally makes buyers cautious in their enquiries and the giving of orders. The milder weather of the past two or three days has given a slight impetus to shipping, and just now rather more iron is being sent by water. The return of the Cleveland Ironmasters' Association for January shows that the entire make of the district last month was 151,826 tons, which is an increase upon the make of January, 1870, of 17,708 tons, and an increase upon December, 1870, of 2224 tons. As was expected, the returns showed a considerable addition to the stocks in makers' which is an increase upon December, 1870, of 2224 tons. As was expected, the returns showed a considerable addition to the stocks in makers' hands. On Dec, 31 these amounted to 104,005 tons; at the close of last month, these figures had swollen to 130,515 tons—an increase of 15,003 tons. There is, however, a small decrease to the amount of 700 tons in the warrant store stock, which is now 12,003 tons; so that after deducting the increase in the make, and the decrease in the warrant store, the real increase in stock upon December is 13,000 tons. The shipments of pig-fron to foreign ports from Middlesborough during January only totalled to 2070 tons, whilst in the same December is they were 11,700 tons; and the deliveries coastwise from Middle borough during January were 16,858 tons, which is 127 tons less than January, 1870. There are now in the Cleveland district 120 furnaces, 112 in blast and 8 out; there are also in course of construction—new ones and those being re-built—16 more. It is anticipated that when the spring trade has be-q fairly commenced the present stocks in makers' hands will be quickly reduced. Enquiries for railway material are still tex, and insufficient to supply the district with full work. Some firms are considerably better off for orders for rails than others, but we do not hear of any of them being fully supplied for any lengthened period. The settlement, for the time being, of the wages question will tend to assist this department in securing orders, and with a settlement of continental difficulties, no doubt the finished fromworks would be quickly much better off for orders than some of them now are. The Plate Trade is more animated, and there is also an improvement in the bar-tron trade.

The decision of Mr. Hughes, as arbiter for the North of England Board of Arbitration, is generally regarded with satisfaction. It was given on Monday, and is that there shall be a reduction of 64, per ton on puddlers' wages.

The decision of Mr. Hughes, as arbiter for the North of England Board of Arbitration, is generally regarded with satisfaction. It was given on Monday, and is that there shall be a reduction of 6d. per ton on puddiers' wages, and 5 per cent, on those paid to other workmen represented at the board, the same to take effect from Jan. 1, 1871, and to continue until July 1, 1871; or in the event of no further change being made by resolution of the board or by arbitration after July 1, then until March 31, 1872.

Mr. John Steavenson, of the firm of Steavenson, Jacques, and Co., of Middlesborough, has accepted the managing directorship of the Bowesfield Iron Company, Stockton, which was formed some time ago under the Limited Liability Act, and the works will be commenced as speedily as possible.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Feb. 9.—The trade of the district, so far as regards the production of Pig and Manufactured Iron, is of a steady more than of a very active character. There is little change with regard to the business doing in House Coal to London, and the dispute as to the rates between the in House Coal to London, and the dispute as to the rates between the Midland and Great Northern Railway Companies has, so far, by no means improved the demand from Derbyshire. It is said that from Monday the Midland made a further reduction of 8d. per ton from Derbyshire, so as to continue the rate is, 4d, per ton lower than by the Great Northern from South Yorkshire. This most likely will be followed by a similar reduction by the other line. The question naturally arises how long the war between the two companies will last, or what loss they will submit to before bringing the dispute to a close? As it is, under existing circumstances few coalowers are likely to enter into contracts, being well assured that the present state of things cannot last. On the Coal Exchange in London, on Monday, the question relating to the rates was freely discussed, and there was a strong feeling that it ought to be terminated by arbitration, or some other means. So far as argument goes, no doubt the Midland Company has the best of it. Seeing that the subject in dispute has by both parties been referred to Sir J. Karslake, they ought to have been bound by his decision. The Great Northern, however, that the subject in dispute has by both parties been referred to Sir J. Karslake, they onght to have been bound by his decision. The Great Northern, however, did not comply, but by means of an arrangement for taking the coal from South Yorkshire to Retford, instead of to Doncaster, as before, evaded an agreement entered into with the Midland in 1863. The coal merchant in many cases is the person most benefited, and as with one or two more eightpenny reductions a serious loss will be the re-ult, it is to be hoped an arrangement will be come to. In Steam Coal only a moderate business is being done. Coal and coke for furnace purposes is in very brisk request, and a large quantity is being sent into Northamptonshire.

The prospect of a termination of the war between France and Prussia has in no way interfered with those branches of the Sheffield trade con-

has in no way interfered with those branches of the Sheffield trade conneeted with the production of warlike material. The heavy armour-plate mills are as busy as ever, and makers of steel gun-barrels are also active. Now that the dispute with the American Government as to the invoicing of goods has terminated, a considerable improvement has taken place in the d. mand for various qualities of steel goods for that country. There is also rather more doing on colonial account, but there is little or no change with regard to the business doing for the Continent. Railway material, including rails, points, and similar articles, continues in brisk request. The skate trade, which was unusually active during the frost, has now become very quiet indeed. The dispute in the file trade remains without any alteration, excepting that the Union men have reduced the payments to the Association, so as to increase their rumbers.

Trade in South Yorkshire is moderately good, and the ironworks are doing a fair trade in rails, plates, bars, &c. The foundries are

also kept well going, more especially in gas, water, and heating pipes, palisadings, doorway heads, and similar goods. In House Coal there is a very brisk demand for London since the reduction of the rate by the Great Northern; and there is also more steam coal going there than for a considerable time past. With a fair rate there is no doubt but a large trade for shipping from the Thames might be done—an important branch, which has been all but closed to the colliery owners of South Yorkshire. There is a rather better enquiry for hard coal for Hull, and a good trade is being done with Lincolnshire for the furnaces there.

In the West Ridding district the incomplete contents of the cont

In the West Riding district the ironworks are rather busy, and a considerable trade is being done in boller-plates, rails, tyres, and axies. Steam ploughs and other machinery for agricultural purposes is rather active just now there being some considerable orders on hand for the Continent and the colonie

COAL MINING UNDER RAILWAYS—EXTRAORDINARY PROCEED-INGS.—A few days since an extraordinary proceeding took place at the Hall Boyd Collieries, belonging to Messrs, Haynes, Lawton, and Ford, and situate quite close to the Silkstone Station of the Manchester, Sheffield, and Linconshire Railway, and by which a large number of men were thrown out of work. It appears that some time since Messrs, Haynes and Co, gave the railway company notice that they were about to get the coal near to the rails, giving them the option, as usual, of purchasing it. As the coal to be got was only some 8 or 9 yards from the surface, it is needless to state that it would be highly dangerous for any train passing over the rails if the coal was got on either side of them. let alone underneath. The company did not intimate their desire to buy the coal or otherwise, but sent a number of men to pull up the points of the railway siding on to the main line, so that Messrs. Haynes and Co, were deprived of all exit for the coal, and for which they had been paying from 6000, to 7000, a month. A man was then set to watch the line, to prevent any danger it is supposed, and a board was placed on the line a day or two ago ordering trains not to go over a certain part at a speed of more than eight miles an hour. The firm, on applying at the offices in Manchester, were not informed as to the reason for the extraordinary step taken by the officials of the company. What protection the public travelling over a line where the coal in the vicinity of the rails is being got at some 8 or 9 yards from the surface is not apparent. COAL MINING UNDER RAILWAYS-EXTRAORDINARY PROCE

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Feb. 9.—There has been an improved feeling in the Iron Trade since Feb. 9.—There has been an improved feeling in the Iron Trade since the conclusion of the armistice, and rather more orders have been given out by home buyers, but the trade continues generally dull, and in many departments the workmen are far from being fully employed. The exports of iron for January show a falling off amounting to 30 per cent. as compared with last year, a sufficient confirmation of the depression which has existed for some time past in this trade. It is worthy of remark that more than half the decline in railway iron, in which the greatest reduction was experienced, arose from the diminished exports to India, which would hardly have been owing to the war. The demand for rails must be uncertain and fluctuating for a long time to come. It is satisfactory to find that the United States is still a large consumer of this class of iron. The General Hardware Trades of South Staffordshire are only moderately active. The Bessemer steel works of the Patent Shaft and Axie-Tree Company are Bessemer steelworks of the Patent Shaft and Axie-Tree Company are

Bessemer steelworks of the Patent Shaft and Axie-Tree Company are being largely extended, and the weekly production will now be raised to 300 tons. The decision of Mr. Hughes to reduce wages by 5 per cent. in the Cleveland district, and the notice of a reduction of 10 per cent. in South Wales, has excited great attention in Staffordshire. At the South Staffordshire and East Worcestershire Institute of Mining Engineers meeting, on Monday evening, the hon. secretary, Mr. Johnson, stated that a report which had been circulated that there had been a great influx of water at the experimental sinking at Sandwell had been greatly exaggerated. They had months ago expected the water now met with, and the winding-engine would be at work in a fortnight, and would at a slight cost overcome this obstacle to the progress of the sinking.

at work in a fortnight, and would at a slight cost overcome this obstacle to the progress of the sinking.

A fatal accident occurred on Saturday, at Mr. Pease's Tileries Colliery, near Tunstall. Five men and a boy were working at the far end of a dritt, getting the slag fronstone. A shot was fired, which brought down a great quantity of earth, calculated at from 60 to 70 tons, which fell upon them. Great exertions were required to rescue them, when three were found dead, and terribly crushed, and the others so severely injured as to leave little hope of their recovery. There was a good supply of timber, but the workings were not sufficiently advanced for it to be applied. A horse was also crushed to death.

The Dudley Correspondent of the Wolverhampton Chronicle writes:—

The iron trade of South Staffordshire is in by no means a satisfactory condition, and the mills and forges for the most part are only in partial operation. The orders coming in still continue to be chiefly for small sizes, such as rounds, squares, angles, strip, and guide iron, but there are some special sizes ordered in the district for Government purposes. The plate mills are doing only single turns, and in rails scarcely anything is being done. This department of the trade seems to have forsaken these districts, or nearly so. Some of the best houses experience considerable difficulty in keeping their workpeople fully employed, and the hopes which were indulged in a short time ago seem not likely to be fulfilled for some time to come. Prices for "marked iron, both best and common, remain firm, but for seconds and more inferior sorts business has been done at lower rates, some bars of fair quality having been sold at 71, per ton, or 11, per ton under the list price, and a make containing a larger proportion of cinder at a still lower rate for cash. There continues a fair demand for pig iron, which is probably owing to some of the foundry establishments being in rather a prosperous condition, and in small castings there is a fair business being done. No more furnaces have been blown in yet. The present number in blast is 110, many of which are turning out a large quantity of iron; in some instances the "make" reaches 200 tons per week, in others from 150 to 170 tons per week. Considerable improvements have been leadey introduced in some of the furnaces which have been recently erected, both as it regards their capacity and also the conomic smelting of iron—hence the large-quantity produced. The demand for thick coal is unparalleled, owing to the severity of the rost, which insted, with slight internision, over six weeks, Some of the from works which have been recently erected, both as it regards their capacity and also the rother than the product The Dudley Correspondent of the Wolverhampton Chronicle writes :-

REPORT FROM MONMOUTH AND SOUTH WALES.

Fcb, 9.—It might be observed that the state of affairs on the Continent is this week regarded with less alarm by the ironmasters both of this and other districts, and the result has been that a little more life has been evinced at the markets, and a healthier tone pervades the trade generally. The business transacted, although compara-tively small, has been more extensive than was expected. The question whether peace or war will succeed the term of the armistice is of course, still unanswerable, but there are indications that the prevailing opinion is inclining towards the more favourable belief that the condict will not be resumed. That the prospects of the Iron Trade hang upon this question is more and more obvious, there being no lack of signs that if peace were re-established there would be a plentitude of orders for finished iron given out, and the make might in a very short time be largely increased. But little change can, however, take place in business until the result of the consti-tuent elections in France are known, and inasmuch as those elections are likely to decide whether there is to be a continuance of the war or not, the proceedings will be watched with considerable anxiety. Notwithstanding the limited specifications coming to hand the works continue in steady operation, and an average number of turns are still made by the men. Speculating to some extent upon the proba-bility of the various momentous questions being satisfactorily solved, some buyers have ventured a few orders of average magnitude dursome buyers have ventured a few orders of average magnitude during the week, and these will opportunely serve to sustain a degree of activity at some of the rail-making establishments. Amongst them are specifications on account of the Bombay and Baroda Company, and some enquiries on Russian account, such intelligence as can be gleaned in regard to the Black Sea Conference being favourable to the belief that the difficulties there under consideration will be amicably arranged. Only limited purchases still emanate from home sources, so that on home account business in railway iron shows scarcely any improvement. For bars and plates there is still a fair sale reported, and prices are tolerably well maintained. For Pig-Iron the demand is not equal to the production, but prices continue m. The enquiry for Tin-Plates shows some improvement, and bet-r prices are being obtained for some descriptions of make. In connection with the Steam Coal Trade there is very little fresh

to report this week, business remaining in nearly the same position as last week. Both buyers and merchants are looking forward anxias has week. Doth doyers and merchants are looking forward anxi-ously to the termination of the war, when it is hoped that the usual large purchases will be made on French account. The House Coal Trade shows some movement, and the collieries continue tolerably

well employed. which has been hanging over and much dreaded in the An event which has been hanging over and much dreaded in the district for the last three or four months is at last about to transpire—a reduction of wages at the ironworks. During that period the condition of the rail trade, upon which so much dependence is placed by Welsh makers, has been such as to cause the wages question to be under serious consideration. The fail of prices soon after the declaration of war fully justified the ironmasters in taking immediate steps to carry out a proportionate reduction in wages, but as there were a good many old contracts on the books it was determined not to make any change as long as the old orders

lasted. Subsequently, hopes were entertained that the war would soon be at an end, and that a speedy revival in business and prices would rollow. The Black and that a speedy revival in business and prices would rollow. The Black and that a speedy revival in business and prices would rollow. The Black and the property of the business and prices would rollow. The Black are the property of the business and the business are the property of the business and the property of the business are the property of the business and the property of the business are the property of the business and the property of the business and the reduction will take effect in the first week in March. The views day, and the reduction will take effect in the first week in March. The views day, and the reduction will take effect in the first week in March. The views that the reduction will be peaceably accepted.

A matter worthy the attention of the Truck Commissioners has just been brought under public notice in the western part of the district. Some time ago it appears the proprietors of the Cumbural Tin Works, near Swansen, hearing so much respecting the system of weekly payments, determined to adopt it as an experiment at their works. The result, as shown by them, has been deplorable, and exceedingly discreditable to the men. The following notice was posted up at the works on Saturday last:—'The proprietors much regret to find that their efforts to provide of Friday wing of the men have not been apposed up at the works on Saturday last:—'The proprietors much regret to find that their efforts to provide of Friday wing of the men have not been appointed by an additional number of gentlemen connected with the extent of drankenness which follows, and the consequent loss and inconvenience, compels them to give this notice that they will in future be discontinued, and wages will be paid as formerly—all wages will be paid monthly on Saturday's, with one draw intervening.'

Another meeting of the promotors of metal markets for the discretion of t

RAILWAY TRAFFIC IN SOUTH WALES—THE NARROW GAUGE.—
As representing the interests of the staple trades of the country, we have strenuously advocated the laying down of the narrow gauge as the best means of facilitating the transit of heavy minerals, more especially in mountainous districts, such as that of South Wales. We have often contended that the narrow gauge over the Great Western system is absolutely essential to properly develope the almost unlimited resources of the district, and we are more than ever convinced that the adoption of the broad gauge was a mistake from which the colliery proprietors, the large from maters, and the commercial community generally have ever since suffered. The opinions which we have repeatedly given expression to have been almost unanimously endorsed by the whole trading community of South Wales, and some years since a petition was presented to the board of directors of the Green and the convergence of the district of the broad gauge. Repeated asplications have since been made to the same effect, but the condition of the money market, the depression of trade, the state of railway matters, and other causes have conspired for material to the broad of the district of railway matters, and other causes have conspired for material to the broad to railway matters, and other causes have conspired for material to the broad to railway matters, and other causes have conspired for material to the broad to the district of railway matters, and other causes have conspired for material to the broad to the district of the Broad the district of the Broad Wales and Swindon, which will remain broad, with a third rail. That the whole of the state trades of the South Wales district has for many years past yearned for this boon of the large to the Great Western board will ultimately eventuate to the laterests of the shareholders RAILWAY TRAFFIC IN SOUTH WALES-THE NARROW GAUGE.

MINING AND ITS PROSPECTS.—The following remarks appear in Messrs. Powell, Dixon, and to's February issue of the "Share Exchange Times":—The Mining Share Market has for some weeks past manifested unmistakeable symptoms of material improvement, arising generally from the healther tone of the netal market, and in several special cares from important discoveries having been made. The past year—as most of us know to our cost—has been one of war, adversely affecting the value of every security, not excepting Consols, which fluctuated from the highest to the lowest point no less than 6 per cent.; whereas during 1889—a year of leace—the fluctuation did not exceed 2 per cent. During the year the market value of mine shares has largely participated in the general depression, but, nevertheless, the amount paid in dividends by the British mines in 1870 contrasts favourably with that of 1869, being 339, 535.1 against 315,800. The dividends paid by foreign mines, however, during the same period does not bear such a favourable comparison, owing to Don Pedro (gold) Mine having paid only 15,2321, against 6,609. In 1869. Pont-gibaud also paid 17,700. In 1869, and only 59161, in 1870; but Cape Copper paid 11,2501. In 1889, against 75091, in 1870.

These statistical facts show plainiy enough that, so far as British dividend-paying mines are concerned, to whatever extent their market value may have been affected in sympathy with other securities, the actual amount paid in dividend paying mines are concerned, to whatever extent their market value may have been affected in sympathy with other securities, the actual amount paid in dividend paying mines are concerned, to whatever extent their market value properties to the respective proprietaries exceeds that of the preceding year. It is for this reason that we urge the present as the most opportune period for the selection and purchase of shares in some well-conducted dividend-paying mines, because there can be no doubt whatever that, apart from the improvement that will assuredly en MINING AND ITS PROSPECTS .- The following remarks appear in

Diet,—Mons. Auguste Michel—whose name will be familiar to readers of the Mining Journal in connection with gold mining operations in New Granada, South America, and the exploration of the Chaudiere and Nova Scotla gold regions, the latter on behalf of the Geological Survey of Canadadied at Montreal on Jan. 14 last, at the age of 65, from the effects of a fail on a slippery pavement. The deceased had been a captain in the French army, but passed the last twenty years in gold mining, on which he was considered a great authority. He was the soul of honour, and his death is mourned by the officers of the survey and by a large circle of acquaintances.

BREAKFAST—EPPS'S COCOA—GRATEFUL AND COMFORTING.— The very agreeable character of this preparation has rendered it a general favourite. The Civil Service Gazette remarks:—"By a thorough knowledge of the natural laws which govern the operations of digestion and nutrition, and by a careful application of the fine properties of well-selected cocoa, Mr. Epps has provided our breakfast tables with a delicately flavoured beverage which may save us many heavy doctors' bills." Each packet is labelled—JAMES EPPS AND CO., Homocopathic Chemists, London. Also, makers of Epps's Cacaoine, a very light, thin evening beverage BREAKFAST - EPPS'S COCOA - GRATEFUL AND COMFORTING.

M. R. JOHN POOLE, ENGINEER, HAYLE, CORNWALL, having had thirty years' experience in the leading manufactories of the county, is in a good position to procure NEW and SECONDHAND ENGINES, and MINING MACHINERY IN GENERAL, for Foreign and Home Mines. ctions and valuations attended to.

TREVARRACK MINING The opinions of the following mining captains, James Pope, late of Wheal Basset, — Harris, of Great Wheal Vor, — Michell, of New Treleigh, W. Vivian, of Camborne, James Evans, of St. Agnes, H. James, late of Redruth, — Doldge, of Callington, and other well-known authorities, may be obtained of Mr. L. F. BELLOT, 20, Canonbury Villas, Islington, N.

Royal School of Mines, Jermyn Street.

PROFESSOR GOODEVE, M.A., will commence a COURSE of THIRTY-SIX LECTURES, on APPLIED MECHANICS, on Tuesday next, the 14th of February, at Twelve o'clock, to be continued on each succeeding Wednesday, Thursday, and Tuesday, at the same hour. Fee for the course, £3.

ceeding Wednesday, Indicatal, the Course, £3.
Professor RAMSAY, LL.D., F.R.S., will commence a COURSE of THIRTY-SIX LECTURES, on GEOLOGY, on Tuesday next, the 14th February, at Two SIX LECTURES, on GEOLOGY, on Tuesday, Wednesday, Thursday, Monday, o'clock, to be continued on each succeeding Wednesday, Thursday, Monday, and Tuesday, at the same hour. Fee for the course, £3.

TRENHAM REEKS, Registrar.

J. TAYLOR AND CO., SHAREDEALERS, MINE AGENTS, &c., MINING EXCHANGE, SOUTH KING STREET, MANCHESTER.

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EAST LLANGYNOG MINING COMPANY

(LIMITED).

This mine continues to improve, and, as it is now altogether out of the category of speculative mines, presents a very rare opportunity for investment. We can strongly recommend it to the investing public as a mine out of which very large profits may be made. We invite capitalists and others who wish to realise large profits and be made. We invite capitalists and others who wish to realise large profits may be made. We invite capitalists and others who wish to realise the above agreement of the company has been in existence, we do not know or three £100 per fm. There are five other powerful and well-defined lodes, two or three £100 per fm good ore, one yielding 2½ tons per fm. Taking into consideration the short time the company has been in existence, we do not know another in the kinddom presenting advantages anything approaching this mine.

We strongly recommend our friends at once to purchase the shares at the present low price at which they are offered, as we feel fully convinced that they will soon realise five or six times their present price.

The mine has been inspected by four or five first-class mining engineers—among whom is Capt. Thomas, for 20 years agent for the celebrated Liangynog Mine, which has paid in royalty alone over £800,000, and raised ore to the value of more than £6,000,000 sterling—all of whom agree that it is likely to become a lasting dividend-paying mine. Capt. Thomas and Capt. Julian—both of whom have had great experience in Welsh mining—consider it to be one of the best mines in the Principality of Walcs.

Over 50 tons of lead ore is now broken, and would have been on the market by this time but for the severe frost preventing crushing and drossing operations. However, in about a fortnight or three weeks after the frost has disappeared this large pile of ore can be prepared. The lodes are opening up remarkably well, one of which is over 6 ft. wide, and there is every indication of this mine becoming one of the reliebest in the Principali

J. TAYLOR and Co. have also FOR SALE a FEW SHARES in the CWM RICKET LEAD MINING COMPANY (LIMITED), at £4 per share. At this mine the water-wheel, drawing machine, and crushers, which have for some time past been under preparation, are now nearly completed, and it is expected that sales of ore will very soon be made. Dressing operations have been going on for some time past.

on for some time past.

The Cwm Ricket is in close proximity to the Van Mine, the shares of which have within a very short time advanced from £4 5s. to over £5s per share.

MR. THOMAS SPARGO, STOCK AND SHAREDEALER,

224 AND 225, GRESHAM HOUSE,
OLD BROAD STREET, LONDON, E.C.

COPPER ORES.

ditto	61	281/2	18	10	6	Berchaven 83 £5 8	0
ditto	60	281/2			6	ditto 100	
ditto			18				0
	76			10	6	Paramatta 66 141/2 9 10	e
ditto					6	ditto 65 1434 9 10	6
		2734			0	ditto 62 1434 9 10	
dito	47	273/4	18	2	0	ditto 60 15 9 12	0
ditto					0	Moonta 110 14 9 1	0
ditto	1	3434	22	10	0	ditto107 14 8 18	6
ditto					0	Knockmahon110 2 4	6
ditto	62	28	18	4	0	ditto127 3 18	6
ditto	61	28	18	7	0	Copper Ore 37 431/2 28 2	6
ditto	60	. 28	18	5	6	ditto 15 2614 17 0	-6
ditto					0		0
ditto					0	ditto 32 514 2 16	0
ditto					0	Ballycummisk41 814 5 0	0
ditto					0	dltto 5 738 4 7	0
Berehaven 1				5	6	C. Ore 9 20 12 13	0
ditto				6	0	0. 0. 0. 12 13	0

Cape Ore Berehaven Paramatta Moonta	253	***	2.414	8	61	Ballver	mmisk	. 94	 1,461	14	(
Compan Min	38.			[]	СНЕ	ORES	WERE Tons.		ED.		

Addics.	Tons.	Amout	at.
Copper Miners' Company	354 4	£3101 5	2 3
P. Grenfell and Sons	20414	9504 6	
Sims, Willyams, and Co.	315	2252 10	0 0
Vivian and Sons	20714	9777 16	0 0
Williams, Foster, and Co.	518	5979 4	0 0
Mason and Elkington	300	2002 11	
Charles Lambert	531/2	477 8	9
m 1			_
Total	1953 £	22,256 5	7 8

NO SALE on February 28, TOTALS AND AVERAGES.
21 cwts. Produce. Price. Per unit. Standard.
Wholesale. 1953 17% ..£11 8 0 12s.10d. ..£ 86 7 6

COPPER ORES. Sampled Jan. 18, and sold at Tabb's Hotel, Redruth, Feb. 2.

Mines.		ons		Pr	ice.		Mines. T	ons.	P	rice	-
West Tolgus				£4	2	0	Crenver & Abraham	55	22	12	•
	********			4	2	0	ditto	59	2	18	
				4	5	0	South Crofty	81		0	
ditto		59		3	17	6	ditto		_	16	
		58		4	1	6	ditto		2	5	
ditto		42		4	1	6	ditto		-	7	
West Seton		68		7	10	0	ditto			17	
ditto		54		6	6	6	North Treskerby	79	5		
ditto		52		3	4	6	ditto		5	10	
	********			2	9	6	ditto			10	
				5	10	6	East Pool	49	4	18	
				9	9	6			2	10	
East Grenvi	lle	63		ĩ	14	6		00	2	9	
	********			9	7	6	North Crofty	23	2	14	
				2	7	6			6	12	
314.				5	3			26	5	4	
2144			****			0	Wheal Basset		5	11	
	********		****	6	12	0	ditto	28	4	17	
Wheal Seton	*********			2	0	0	East Carn Brea	34	4	13	
Pendarves			****	6	2	6	ditto	18	3	1	
		4-		3	5	0	Clifford	27	2	8	
Atas.	********			3	14	6	ditto	16	9	16	
3244	********			5	6	0	Wheal Jewell	15	3	9	
	*********			1	10	0	ditto	11	9	18	
ditto	*********	34		5	6	6	ditto	9	- 4	12	
	********	15		1	5	6	Levant	29	9	3	
Carn Brea	*********	61		3	12	6	ditto	1	25	0	
ditto	********	58		4	5	0	Pennance	24	12	1	
ditto		56		3	2	0	Dolcoath	18	9	6	
ditto	*******	41		3	5	0	East Basset		4	16	
ditto ,		27		8	0	6	ditto		0	16	
ditto		11		1	7	6	Emily Henrietta		0		
Crenver & A	braham	57		î	15	6	Boscaswell	0	90	6	
	********			3	6	0	Pendeen Consols	3		1	
		-0		-	-	9		2	8	11	
				TO'	PAT		RODUCE.				

					L P	RODUCE.					
West Tolgus West Seton	205		1467	3	6	East Carn Brea Clifford	12	····£			(
East Grenville	975		0.00	- 9	6	Wheel Towell	90			13	
Wheal Seton, &c.	000	****	1000	11	0		35		125	6	- (
Carn Brea	200	****	1092	11			20		291	1	6
Crepper & Above	204	****	1006		6		24		49	16	6
Crenver & Abra	220			9	0	Dolcoath	18		59	17	- 6
South Crofty	217		490	5	6	East Basset			49	13	i
North Treskerby.	188		1009	6	0	Emily Henrietta.	9			14	7
			356		0	Boscaswell	3			3	ì
			652	12	0	Pendeen Consols.			17	3	7
Wheal Basset	71		376	4	6		-		4.0	O	4
Average standard			£109	9	0.1	A versea produce					

Average standard ... £103 2 0 | Average produce ... 65%
Average price per ton ... £4 0 0
Quantity of ore £645 tons | Quantity of fine copper ... 174 tons 11 cwts.

LAST SALE ... – Average standard ... £104 10 0—Average produce ... 65%
Standard of corresponding sale last month, £ 97 14 0—Produce, 75%

COMPANIES BY WHOM THE ORES WERE PU	RCHASE	CD.	
	Amo	oun	t.
Vivian and Sons 503	£1899		6
Grenfell and Sons 440	2574	7	6
Sims, Willyams, and Co 4	. 124	3	0
	. 1417	1.4	0
	. 1804	5	6
Copper Miners' Company 2061/2	• 728	15	3
Charles Lambert 20612 Newton, Rester and Co 123	199	6	6
Newton, Keates, and Co	659	17	0
Sweetland, Tuttle, and Co	1140	5	3
Total2645		-	_
	£10,548	1	0

In the Court of the Vice-Warden of the Stannaries.

IN the MATTER of the COMPANIES ACT, 1862, and of the WHEAL POLMEAR MINING COMPANY.—By the direction of His Honor the Vice-Warden, notice is hereby given that, on Wednesday, the 22nd day of February inst., at the hour of Eleven of the clock in the forenoon, at the Registrar's Office, at Truro, within the Stannaries of Cornwall, this Court will PROCEED to MAKE a CALL of THIRTEEN SHILLINGS PER SHARE on all the Contributories settled on the List of Contributories of the above-named company as present members of the company.

All persons interested therein are entitled to attend at the time and place aforesaid to offer objections to such call.

FREDERICK MARSHALL, Registrar.

Dated Registrar's Office, Truro, the 7th day of February, 1871.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WHEAL CHERRY MINING COMPANY.—By direction of His Honor the Vice-Warden, Notice is hereby given that, on Tuesday, the 21st day of February Instant, at Eleven o'clock in the foremon, at the Registrar's Office, Truro, in the county of Cornwall, this Court will proceed to MAKE a CALL of FIFFEEN SHILLINGS PER SHARE on all the contributories of the above-named company, settled as present members thereof, on the List of Contributories of the said Court.

All persons interested therein are cultical to attend to the contributories of the said Court.

Court.
persons interested therein are entitled to attend at the time and place said, to offer objections to such call.
FREDERICK MARSHALL, Registrar. Dated Truro, February 8, 1871.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

N the MATTER of the COMPANIES ACT, 1862, and of the CAMBORNE VEAN MINING COMPANIES ACT, 1862, and of the CAMBORNE VEAN MINING COMPANY.—By an order made by His Honor die Vies-Warden of the Stannaries, in the above matter, dated the 2d day of February Instant, on the petition of William Michell Grylls, of Redruth, within he said stannaries, gentleman, a contributory of the said company, IT WAS BEDERED that the said CAMBORNE VEAN MINING COMPANY should be WOUND-UP by this Court under the provisions of the Companies Act, 1862.

HODGE, HOCKIN. AND MARRACK, Truro (Agents for S. T. G. Downing, Redruth, Solicitor for the Petitioner).

Dated Truro, February 2, 1871.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the CAMBORNE VEAN MINING COMPANY.—Notice is hereby given, that CAMBURNE VEAN MINING COMPANY.—Notice is hereby given, ALL CREDITORS of the ABOVE-NAMED COMPANY are REQUIRED, before Wednesday, the 22d day of February instant, to SEND IN their Name ADDRESSES, and the AMOUNTS and PARTICULARS of their SEVERAMES on the said company, to the said company to the said company.

LAIMS on the said company, to— REDERICK MARSHALL, Esq., Registrar of the said Court at Truro. Dated Truro, February 7, 1871.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACT, 1862, and of the TREVENEN AND TREMENHERER UNITED MINING COMPANY.—
ALL CREDITORS or CLAIMANTS of the ABOVE-NAMED COMPANY, who have not received notice from the Registrar of the said Court that their claims have been already admitted, are hereby REQUIRED to COME IN and PROVE their SEVERAL DEBTS or CLAIMS at the Registrar's Office, Truro, on Monday, the 20th day of February instant, at Rieven o'clock in the forenoon, or in default thereof they will be EXCLUDED from the BEKEFTT of any DISTRIBUTION made before such proof. And for the purpose of such proof they are either to attend in person, or by their solicitors or competent agents, or cand affidavits of their several debts or claims to the Registrar of the Court, at Truro, such affidavits deling swent either effects some Commissioner of the said Court, or before any Court studge, Justen Court of Commissioner of the superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Commissioner of one of the Superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Commissioner of one of the Superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Commissioner of one of the Superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Commissioner of one of the Superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Commissioner of the Superior Courts, lawfally authorised to take a new Court, Truro, Cornwall.

Dated Truro, the 7th day of February, 1871.

TURTON, NEAR BOLTON, LANCASHIRE.

SALE OF THE WELL-KNOWN TURTON MOOR COLLIERY AND FIRE-BRICK WORKS, now in active operation, with all the EXTENSIVE EREC-TIONS, valuable PLANT and MACHINERY, TRAM-ROAD, &c., belonging thereto, including the LESSEE'S INTEREST in the COAL and FIRE-CLAY under about 400 acres of land.

thereto, including the LESSEE'S INTEREST in the COAL and FIRE-CLAY under about 400 acres of land.

MESSRS. WM. LOMAX, LOMAX, SONS, AND MILLS respectfully announce that they are instructed by the Trustees under the will of the late Robert Heywood, Eq., to OFFER BY PUBLIC AUCTION, on Wednesday, the 15th day of February, 1871, at Five for Six o'clock P.M. most punctually, at the True Crowns Inn, Deangate, Bolton (if not in the mean-time disposed of by private treaty), subject to such conditions as shall be then produced, the LEASEHOLD ESTATE and INTEREST of the VENDORS of and in all that COLLIERY and FIRE BRICK WORKS, known as

TURTON. We miles from BOLTON, immediately adjuding the turnpike-road leading from Bolton to Over Darwen and Blackburn, with the machine house, cart set, tramroad, office, workshops, grinding and drying sleds, kilns, chimney, and other crections, and the whole of the mines or beds of coal and free-clay under 400 statute acres or thereabouts of land, at Turton Moor; together with the valuable STEAM ENGINES for winding, numping, and grinding purposes, with the BOILER, SILAFT FITTINGS. TRAMWAYS, WEIGH-ING MACHINE, GRINDING MILL, and other MACHINERY and PLANT in and upon the premises, a schedule of which will be produced at the time of sale. The colliery is opened out by a winding shaft and an air shaft about 52 yards in depth, with roadways driven therefrom, and the mines have been proved to be of excellent quality, the produce commanding ready land sale in the district. The colliery is opened out by a winding shaft and an air shaft about 52 yards in depth, with roadways driven therefrom, and the mines have been proved to be of excellent quality, the produce commanding ready land sale in the district. The colliery is held by lease, dated the 16th March, 1870, for the unexpired residue of a term of twenty-eight years and three quarters, commencing on the 25th day of December, 187, subject to the yearly footage rent of £50 per foot per Lancashire aere of 7840 square yards for the coal, and to an

contained.

A plan of the workings may be seen, and particulars with other information may be had by applying to Mr. JOHN CROSS, Mining Agent, Cross-street, Manchester; or to Messrs. RUSHITON and ARMITSTEAD, Soliettors, Bolton, at whose offices a plan of the workings of the mines, and a copy of the lease, may be seen. Bolton, January 16th, 1871.

SALE BY AUCTION.

SALE BY AUCTION.

M. R. JOHN WHITE, of 12, Cases Street, Clayton Square, Liverpool, will, under instructions from the Liquidator of the South Barrule Slate Quarry Company (Limited), in liquidation, OFFER FOR SALE, BY AUCTION, at the Law Association Rooms, 14, Cook-street, Liverpool, on Wednesday, the 1st day of March, 1871, at Half-past One o'clock r.m., exact time, the LEASE, direct from the Crown, of the well-known SOUTH BARRULE SLATE QUARRY,

Situate in the parishes of PATRICK and MALEU, in the ISLE OF MAN, The grant comprises 623 acres or thereabouts, and is for a term of 21 year from the 10th of October, 1862, at a rent of £1 per annum, and a royalty of 1-1 of all slate and other stones gotten, and a dead rent merging in royalty of a compression of the stones of the stones gotten.

or an asset and their stones govern, and a deat a term neighig in 10 any to 20 per annum.

Upwards of £29,000 have been expended in the development of this quarry which produces excellent roofing slates for which there is a large demand in the Island. iland. The property is approached by good roads, and is within five miles of a ship ing port. It is also well supplied with water power, and contains an extensive

ping port. It is also well supplied with water power, and contains an extensive body of metal now exposed. The rails, wagons, machines, implements, and stock of slate will be included

In the sale.

For further particulars and conditions of sale apply to Mr. J. S. Jackson, Ramey, Isle of Man; Mr. John Chrystal, Surveyor, Ramey; to the Auctioneer; or to Mesers, Poole and Hughes, Solicitors, 9. New-equare, Lincoln's Inn, London, at whose chambers the original lease may be inspected.

A copy will also lie for inspection at the office of Mr. Chrystal, Ramsey, Isle of Man.

PRELIMINARY NOTICE. IMPORTANT SALE OF VALUABLE MACHINERY FOR MINING PURPOSES.

MINING PURPOSES.

MESSRS. CHURTON AND ELPHICK have received instructions TO SELL, BY AUCTION, towards the end of the present month, at the MAES-Y-SAFN MINE, near MOLD, a large quantity of MACHINERY, comprising LARGE PUMPING ENGINES and BOILERS; also WINDING ENGINES, with gear attached, and a large quantity of PUMPWORK of various sizes, RAILS, and PLANT of all kinds.

Apply to Messrs. Churton and Elphick, at Chester and at Whitchurch, Salop. Dated Chester, February 3, 1871.

MINERAL PROPERTY TO LET IN GLAMORGANSHIRE,

SOUTH WALES.

THE SEAMS of COAL and IRON ORE under an area of 649 acres. A line of railway connected with the Great Western runs through the property, and it is within an easy distance of two good shipping ports. It has also a good stream of water running through for about a mile, and is consequently well adapted for the carrying on of Tin or Iron Works. For particulars, apply to R. BEDLINGTON, Eq., Mining Engineer, Aberdare.

MINERALS TO LET.—THE SEAMS of COAL, IRON ORE, and CLAY, under a property of from 400 to 500 acres in extent, situate about nine miles from SWANSEA, and near a turnpike road, canal, and railway.

way.

Apply to Mr. E. J. BEOR, Estates Office, 21, College-street, Swansea.

At PENNANT MINE, near ST. ASAPH, FLINTSHIRE.

TO BE SOLD, BY PRIVATE TREATY, in order to close the works, a very valuable 30 in. single-acting condensing PUMPING ENGINE, upon the Cornish principle, with equal beam, working 8 ft. stroke, with dist length of main rod attached to the beam, all in first-class working condition; made by the Rhydymwyn Foundry Company.

Tubular BOILER, with single tube, 30 ft. long by 6 ft. diameter, with all the necessary fittings and sundry fect of steam piping, all in good working condition.

on.
CAPSTAN and SHEARS, with iron pulleys, and capstan chain.
N.B.—For further particulars, apply to Messrs. CHURTON and ELPHICK, action Mart, Chester.

PHOSPHATE OF LIME LANDS FOR SALE.

THE UNDERSIGNED OFFERS FOR SALE the MINERALS on Lot No. 19 in the Sixth Concession of the Township of BURGESS, nty of LANARK, CANADA, being one of the best of the Canadian Phos-

phate Lots.
The first thousand tons can be laid down at Montreal at 25s, sterling per ton.
The first thousand tons can be laid down at Montreal at 25s, sterling per ton.
The asphalte will contain from 80 to 90 per cent. of phosphate of lime. Terms g2000 sterling, or a contract will be taken for the delivery of phosphate in Montreal. Apply to—
ARTHUR J. MATHESON or JAMES H. BELL, Perth, Canada.
Perth, Canada, January 10, 1871.

A FESTINIOG SLATE QUARRY ON SALE.

A FESTINIOG SLATE QUARRY ON SALE.

N SALE, BY PRIVATE TREATY, owing to the death of the Proprietor, 46-£0-lis of the BWLCHYSLATTER SLATE QUARRY, shated in the parish of FESTINIOG, and in the centre of that well-known slate district. The quarry produces slates of first-class quality, of which there is apparently an inexhaustible supply. It is provided with the requisite plant for being properly and profitably worked, and is only parted with owing to the death of the late proprietor. It is situated close to the Portmadoc and Festiniog Ballway.

For particulars, apply to Mrs. WILLIAMS, Bennarfawr, Dyffryn, Carnarvon.

CAMEL SLATE QUARRY, NEAR WADEBRIDGE, CORNWALL. TO BE SOLD, BY PRIVATE CONTRACT, the above QUARRY, which has been in operation nearly twenty years, together with the whole of the VALUABLE PLANT, BUILDINGS, and QUAY. The business, which affords employment at present to about 100 hands, is capable of great development by a gentleman who could give it his personal superintendence, there being a great demand for the class of goods manufactured at these works. Vessels can ride safely in all weathers.
For terms, which are easy, apply to Mr. WILLIAM BOOTH, Slate Merchant, Union-street, Plymouth.

FOR SALE, an EXTENSIVE COLLIERY in the neighbourhood of GLASGOW, not over one down to the second of of GLASGOW, not over one-fourth wrought, in full operation, with a arge output of best WISHAW HOUSEHOLD COAL.
Whole Plant and Machinery in excellent going order,
Apply to D. G. HORY, C.A., 119, 8t, Vincent-street, Glasgow.

TO IRONMASTERS, AND MANUFACTURERS OF SUPERIOR PIG-IRON ADAPTABLE FOR BESSEMER STEEL, &c.

ADAPTABLE FOR BESSEMER STEEL, &c.

ADAPTABLE FOR BESSEMER STEEL, &c.

FOR SALE, BY PRIVATE TREATY, a MINE of MAGNETIC

IRON ORE, yielding from 50 to 65 per cent, of superior cast-from in the
blast-furnace. The property consists of 150,003 square motres, and is capable
of producing very considerable quantities of ore. It is four kilometres distant
from the coast. Freight to South Wales and North-Eastern ports would be
about 12s, per ton. Address, "Box 5," Swansea.

TO BE LET, ON LEASE, for a term of years, SEVERAL ACRES of LAND, suitable for MANUFACTURING PURPOSES, advantageously situated on the south bank of the River Tyne, about two miles below Nowcastle-on-Tyne, and within a quarter of a mile from the North-Eastern Ratiway. There is a good quay frontage, with deep water.

Apply to Mr. T. S. Bramwell, King-street, Quay-s de, Newcastle-on-Tyne.

FOR SALE, -THE UNDERMENTIONED ENGINES:-

ONE 50 in, cylinder PUMPING ENGINE, with ONE BOILER.
ONE 50 in, cylinder ROTARY STEAM ENGINE, with or without BOILER, rought iron fly-wheel shaft, and 10 ton fly-wheel.
ONE 12 in, cylinder ROTARY STEAM ENGINE, with ONE 6 ton BOILER. THREE Cornish BOILERS, from 10 to 12 tons each, in excellent condition, Also, several Corulsh CRUSHERS, of various sizes.
A 50 feet WATER WHEEL, with hammered iron round shaft, cast-iron cokets rings &c.

ockets, rings, &c. For further information, apply to-

W. MATHEWS, ENGINEER, TAVISTOCK.

OR NISH ENGINES FOR SALE,—
ONE 50 in. cylinder PUMPING ENGINE, 10 feet stroke, in first-class
condition, with BOILER, 11 tons.
ONE 42 in. PUMPING ENGINE, 8 feet stroke, equal beam, with BOILER

ONE 42 In. PUMPING ENGINE, 8 feet stroke, equal beam, with BUI of tons, equal to new.
ONE 30 In. PUMPING ENGINE, 9 feet stroke, with BUILER, 8½ tons.
ONE 30 In. ROTARY ENGINE, 9 fc. stroke, with BUILER, 11 tons.
ONE 20 In. ROTARY ENGINE, with BUILER, 7½ tons.
ONE 11 tons BUILER and FITTINGS.
ONE BALANCE BUB, suitable for a 50 or 60 In. engine.
Apply to—
MICHELL AND JENKIN, ENGINEERS, BEDRUTH.

POR SALE, a high-class new 14-horse power double-cylinder PORTABLE STEAM ENGINE, with suitable gear, for the threefold wirposes of Winding, Pumping, and Crushing.

NEW PORTABLE STEAM ENGINES, 3 to 25-horse power, on advantageous erms for eash or deferred payments, if desired.

STECONDHAND PORTABLE STEAM ENGINES, of the best makers, to esold cheap, all in excellent condition, some quite equal to new.

Apply to -

Apply to - BARROWS AND STEWART, ENGINEERS, BANBURY, OXON.

IMPORTANT TO MINE OWNERS AND AGENTS. WILLOUGHBY BROTHERS' PATENT STEAM ORE STAMPER will shortly be BEADY FOR SALE.
Apply, for prices and particulars, to Willoughby Brothers, Foundry, Redruth; or Central Foundry, Plymouth.

CANNOCK CHASE COAL BY CANAL AND RAILWAY. THE COMPANY SEND COAL BY RAILWAY, in trucks, TO ALL STATIONS, and LOAD CANAL BOATS at their extensive wharves on the Anglescy branch of the Birmingbam Canal, adjoining the colliery; and also at Hednesford Basin, Caunock.
Also SUPPLY best LAYCOCK'S GARESFIELD FOUNDRY COKE, FIRE BRICKS, and CLAY RETORTS, free on board ship, Tyne Dock, Newcastle-on-Tyne.

Type.
Cannel gas coal, 15,000 feet of gas per ton. Illuminating power of gas in standard candles, 32½ candles.
For prices, apply to— JOHN N. BROWN,

ANGLESEY CHAMBERS, NEW STREET, BIRMINGHAM. LONDON OFFICE, 455, NEW OXFORD STREET.

E L F O R D, WILLIAMS, AND SHIP BROKERS AND COAL EXPORTERS METAL AND GENERAL COMMISSION AGENTS, SWANSEA.

ELFORD, WILLIAMS, and Co. having erected an assay office, and engaged the services of a practical Cornish assayer, who will devote his whole time to this branch of their business, they are now in a position to make correct assays of lilver, copper, and other mineral ores, on the most moderate terms.

M ESSRS. W. BRUNTON AND CO., REDRUTH, CORNWALL; AND BRYMBO, NEAR WREXHAM.

CAPTAIN ABSALOM
GOGINAN, ABERYSTWITH FRANCIS,

GOGINAN, ABERYSTWITH,
MINING AGENT, ENGINEER, AND SURVEYOR.
The great success which is attending the opening and working of the Mines
in the counties of Cardigan and Montgomery, and the many properties placed
at the disposal of Capt. ABSALOM FRANCIS, induces him to offer his services,
there to ADVISE, INSPECT, REPORT, or SURVEY, for Mining Companies
or crivate shareholders. For terms, apply to Capt. Absalom Francis, as above.

CORNWALL AND DEVON MINING AGENCY,
CALLINGTON, CORNWALL.
Reports on any mine in the two counties, and every kind of legitimate mining
business transacted.
C. PENGILLY, Secretary.

M ESSRS. LISCOME BE AND CO.,

MINING SHARE BROKERS.

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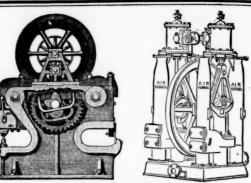
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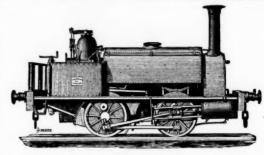
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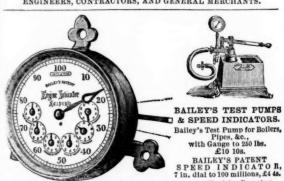
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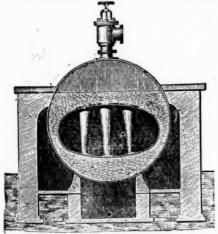
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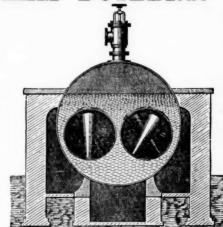
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ENGINEER—JAMÉS SAMUEL, Esq., M.L.C.E., 26, Great George-street.
Westminater.
BANKERS—IMPERIAL BANK (Limited), Lothbury.
BROKERS—MESSRS. FENN and CROSTHWAITE, 53, Threadneydle-street.
OFFICES—5, GREAT WINCHESTER.STREET.BUILDINGS, GREAT WINCHESTER-STREET, E.C.

As this line will have very favourable gradients, and coal for fuel is very cheap, and the rolling stock will be so constructed that the dead weight of the trains will be reduced to the minimum consistent with safety and durability, the traffic may be worked at an outside cost of 33 per cent., or one-third of the gross receipts of the carriage of coal, or 1/4d, per ton per mile, leaving a profit on the carriage of £19,167, and from sale of the reserve coal £15,000, making together a net revenue of £34,167, or 34 per cent. on the proposed capital of the company.

Prospectuses, maps, extracts of report, and forms of application for shares can be obtained at the offices of the company, bankers, brokers, and solicitors.

GLASGOW AND CAPE BRETON (NOVA SCOTIA) COAL AND RAILWAY COMPANY (LIMITED).—The SUBSCRIPTION LIST WILL BE CLOSED for LONDON on TUESDAY the 14th inst., and on WEDNESDAY, the 15th inst., for THE COUNTRY. WALTER WRIGHT, Secretary. 5, Great Winchester-street-buildings, London, Feb. 8, 1871.

THE CWM VRON LEAD MINING COMPANY (LIMITED).

Capital £30,000, divided into 12,000 shares of £2 10s. each. Capital 2.05,000, divided into 12,000 shares of £2 10s. each.

Deposit on application, 5s. per share; on allotment, 5s. per share.

The first call will be 20s. per share, with twenty-one days' notice. Share warrants fully paid-up, and transcrable to bearer, can be issued if desired.

To be resistered under the Companies Acts of 1862 and 1867.

All deposits will be prompity returned if no allotment is made.

DIRECTORS.

ALEXANDER BOYLE, Esq., 31, Pall Mall, London, and Miltown House, Dublin.

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London.
CAPT. JAMES H. MORRELL, Woodchurch, near Ashford,
GEORGE F. CARLYON-SIMMONS, Esq., 79, Upper Thames Street,
London, and Trevella, Cornwall,
BANKERS—The ALLIANCE BANK (LIMITED) Bartholomew-lane, London,

CONSULTING ENGINEERS.

MESSES, SHELFORD and ROBINSON, 7, Westminster-chambers, Victoria-street, S.W.

SECRETARY (pro tem.)—Mr. C. QUARTERMAINE.

offices (pro tem). 2, PINNER'S COURT, OLD BROAD STREET, LONDON.

This company is formed to purchase the leases and continue the workings of a most important lead mine situated about 3 miles from the Van Mine, and about the same distance from the town of Liaudidoes.
Full prospectuses and reports by Mesers. Shelford and Robinson, C.E., Capts. Nucarrow, J. Richards, R. Northey, John Kitto, and others, together with plans and forms of application for shares can be obtained from the secretary at the offices of the company.

JOHN BOURNE AND CO., ENGINEERS, SHIPBUILDERS, AND CONTRACTORS, BLOWING ENGINES. WINDING ENGINES, Bourne's Patent Spherical Governors, Bourne's Patent Feedwater Heaters, Bourne's Patent Gas Furnaces, Bourne's Patent Coal-dust Furnaces,

PUMPING ENGINES, STEAM BOILERS. 66, MARK LANE, LONDON.

THE GREAT WESTERN HOTEL

(Snow Hill Station),

BIRMINGHAM.

"One of the most elegant, comfortable, and economical Hotels in the three kingdoms."—The Field, July 31, 1869.

THE QUEEN'S HOTEL, ABERYSTWITH. MR. JOSEPH MANN, Working Manager.

TARIFF AND GUIDE FREE ON APPLICATION.

_	IRON AND COAL COMP	AN	IE	S.				
Bhares	. Company.	P	ald.			Pri	ce.	
£100	John Abbot and Co. [L.]	€ 75	0	0	 22	20	dis.	
50	Blaenavon Iron and Steel Co. [L.]		10	0	 		60 2.00	
100	Bolekow, Vaughan, and Co. [L.]	30	0	0	35	36	pm.	
100	Brown, John, and Co. [L.]	70	0	0	 5	3	dis.	
_10	Consett Iron Co. [L.]	7	10	0	 4		pm.	
100	Cammell and Co. [L.]	80	0	0	 18	16	dis.	
32	Ebbw Vale Co. [L.]	27	10	0	 95		dis.	
20	General Mining Association [L.]	20	0	0	 5	7	4000	
15	Hopkins, Gilkes, and Co. [L.]	10	0	0	par	. 1	dis.	
10	Ironmasters' Company [L.]	10	0	0	 		g casos	
10	Midland Iron Co. [L.]	5	0	0	 221	25	pm.	
21/6	Mersey Steel and Iron Co. [L.]	11	10	0			dis.	
4	Mwyndy Iron Ore Co. [L.]	3	10	0		6 2	dis.	
1	Nerbudda Coal and Iron	0	7	0	pai		44.20	١
35	Palmer's Shipbuilding and Iron Co. [L.]	25		0			dis.	
25	Ditto ditto	35	0	0			dis.	
100	Parkgate Iron Co. [L.]	65	0	0		iis.	par,	
20	Patent Shaft and Axletree Co. [L.]	10	0	0	 5	_		
50	Rhymney Iron Co. [L.]	50	0	0	20	18	dis.	
15	Ditto New	15	0	0			dis.	
50	Shotts Iron Co	50	0	0	21	19	dis.	
100	Sheepbridge Iron and Coal Co. [L.]	55	0	0	17	16	dis.	
300	Staveley Iron and Coal Co	60	0	0	40		pm.	
100	Ditto ditto New	10	0	0	 8	9	pm.	
100	Thames Iron Company	10	0	0		_	P.m.	
71/2	Titanic Iron and Steel	5	0	0		_		
100	Vancouver Coal [L.]	6	0	0	1/6 d	lis.	par.	
10	Van Iron Ore [L.]	10	0	0	 -	_	Luca	
200	WINGE COM! AND IFOR CO	100	0	0	 11	9	dis.	
78	Ditto ditto	75	0	0	11	9	dis.	

THE MINING SHARE LIST

BRITISH		DEND MIN	VES.		
Shares. Mines.	Paid.	Last Pr. Business	s. Total divs. I	er share. Last;	paid.
1500 Alderley Edge, c, Cheshire	. 10 0 0		10 6 8	0 5 0. Jan.	1869
6000 Boscaswell, t, c, St. Just	91 50	225220 230	0 20	0 2 0Apr.	1870
200 Botallack, t. c, St. Just 20000 Bronfloyd, I, Cardigan*	2 10 0 .	21/2 . 21/2 23/4	585 5 0	5 0 0Nov.	
4000 Brookwood, e, Buckfastleigh	1 16 0 .	/2 -/4	· 2 11 0 0 15 0	0 1 0Jan.	1871 1870
5094 Rwich Consols, s-l, Cardigan	4 0 0 .		0 9 0	0 2 6Nov. 0 2 0May	1870
6400 Cashwell, I. Cumberland*	2 10 0 .		0 14 6	0 2 0. Dec.	1870
6400 Cashwell, l, Cumberland* 916 Cargoll, s-l, Newlyn	16 5 7 .	. 3 21/2 31/2	16 15 0	0 10 0 Aug.	1869
2450 Cook's Kitchen, c, Hogani	19 14 9 .		5 56	0 12 6Jan.	1871
867 Cwm Erfin. l. Cardiganshire	7 10 0 .		32 13 0	0 5 0 Jan.	1871
128 Cwmystwith, I, Cardiganshire	60 0 0 .		387 10 0	2 0 0. July	1869
280 Derwent Mines, s-l, Durham	1 0 0 .		177 0 0	2 10 0. July	1868
1024 Devon Gt. Consols, c, Tavistock† 656 Ding Dong, t, Gulval‡	49 14 6 .		1149 0 0	4 0 0. Nov. 0 15 0. Aug.	1870 1870
1432 Dolcoath, c, t, Camborne	32 4 6	130 127161321	6 251 2 6	3 0 0. Dec.	1870
2800 Drake Walls, t, Calstockt	2 10 0	11/8 1 1/8	1 3 3	0 1 0. July	1870
6144 East Caradon, c, St. Cleert	2 14 6	5 5 51/8	14 11 6	0 2 0 July	1867
300 East Darren, I, Cardiganshire	32 00		188 10 0	2 0 0 Sept.	1870
0400 East Pool, t. c. Pool, Hogan	0 99		11 13	0 4 0Jan.	1871
1906 East Wheal Lovell, t, Wendron	8 9 0		14 16 0	2 0 0 Nov.	1870
2800 Foxdale, I, Isle of Man*	25 0 0	11/ 11/ 11/	77 5 0	0 10 0, Dec.	1870
5000 Frank Mills, I, Christow	3 18 6 -	11/2 11/4 11/2	. 4 8 0	0 26Aug.	1870
8950 Gawton, c, Tavistock	3 10 6 **			0 3 0Jan. 0 8 0Dec.	1870
3000 Great Laxey, t, Isle of Man-	5 000		13 3 0	5 p.ctFeb.	1869
5908 Great Wheai Vor, t, c, Helston t	40 000		15 12 0	0 3 6. June	1870
240 Gunnislake (Clitters'), t, c	4 19 0 **		0 20	0 1 0 Nov.	1870
1024 Horodsfoot 7, near Liskeardt	8 10 0 **		54 0 0	1 10 0. Oct.	1870
2000 Holmbush and Kelly Bray, c*	1 0 0 0		0 3 0	0 1 0 Nov.	1869
0000 Killaloe, sl, Tipperary	1 00 0 **		0 2 2	0 0 7June	1870
100 Levant, c, t, St. Just	10 8 1		1101 0 0	2 0 0 Aug.	
400 Lisburne, I, Cardiganshire	18 15 0		529 0 0	2 0 0Jan.	
3000 Maes-y-Safn, l, Flint*	4 10 6 •			0 5 0Oct.	1868 1871
2000 Marke Valley, c, Caradon 1800 Minera Mining Co.l, Wrexham	25 0 0	4	282 3 3	0 4 0Jan. 4 0 0Nov.	1070
0000 Mining Co. of Ireland, c, l. cl	7 0 0		0 4 616		1870
400 New Pembroke, t, c, Par Station.	5 0 0	0 00 0 0 0	0 5 0	0 2 6. Nov.	1870
2000 North Levant, t, c, St. Just	10 12 0	111/4 111/6 12	1 15 0		1870
5610 North Wheal Crofty, c. Illogant	8 11 8	23/4 21/4 21/4	0 4 0	0 1 6Oct.	1870
256 Pendarves United, t, c, Camb	86 00 .	60 55 60	15 0 0	5 0 0 Nov.	
0000 Penhalls, t, St. Agnes	3 0 0 .	. 51/2 5 51/2	1 16 6	0 3 0 Feb.	1871
500 Phænix, t, c, Linkinhorne	50 0 0		456 10 0	7 0 0May	1870
000 Poldice, t, c, Gwennap	10 0 0	176 13/ 17/	0 10 6	0 10 0Oct.	1870
300 Prince of Wales, c, Calstock	0 12 6	17/8 . 13/4 17/8 36 . 35 36		0 1 0Nov.	1869
000 Queen, s, c, Calstock*	0 10 0	. 2	0 2 0		1870
869 Rosewall Hill & Ransom, t	4 00		0 13 0	0 1 6 Dec.	1870
512 South Caradon, e, St. Cleert	1 50	250 250 260	659 10 0	4 0 0Jan.	1871
000 South Darren J. Cardigan	3 6 6		1 16	0 1 6Nov.	1870
937 South Wh. Crofty, c, Illogan	24 10 10	6 61/4 7	3 00	0 10 0 June	1870
937 South Wh. Crofty, c, Illogan 196 So. Wh. Frances, c, Illog.† 242 Spearn Moor, t, St. Just	18 18 9	29 29 30	374 13 6	1 0 0 Mar.	1868
242 Spearn Moor, t, St. Just	36 17 9			1 0 0Oct.	1870
940 St. Ives Consols, t, St. Ives	10 15 0		0 10 0	0 10 0 May	1869
771 St. Just Amalgamated, t*	3 10 0 6 0 0	13 .1234 1314 x	0 50	0 2 6. Nov.	1870
000 Tankerville, l, Salop*	9 0 0			0 4 0Jan.	1871 1870
200 Tincroff, C, t, root, Inogani	11 10 0			1 10 0Nov. 0 15 0Dec.	1870
000 Van, l, Llanidloes*	4 50			0 15 0Dec.	1870
000 W. Chiverton, I, Perranzabuloet	10 0 0		47 7 6	0 0. Nov.	1870
312 West Wheal Frances, t, Illogan	106 15 0	32 28 30	5 10 0	0 0Jan.	1871
100 W. Wheal Seton, c. Cambornet.	47 0 0	110 110 120	669 00	2 10 0. Dec.	1870
312 Wheal Basset, c, Illogant	5 26	70 60 65	632 10 0	1 0 0June	1868
Wheal Basset, c, Illogant	10 15 0	55 50 521/2	33 10 0	10 0. Nov.	1870
295 Wheal Kitty, t, St. Agnes	5 46	914 9 914	5 13 0	7 0Nov.	1870
24 Wheal Kitty, t, Uny Lelantt	3 10 6	10 9 10	13 7 6		1000
896 Wheal Margaret, t, Uny Lelant .	13 17 6	13 : 13 14	78 15 0 (10 0. Nov.	1870 1870
000 Wh. Mary Hutchins, Plymp., t			0 10 0		1869
	2 12 6 70 0 0	• •	474 13 016	5 0Aug.	1870
000 Wheal Russell, c, Tavistock	1 0 0		0 1 0	0 0Nov. 1 0Dec.	1870
	60 00	26 23 25	254 15 0		1869
000 Wicklow, c, i, Wicklow	2 10 0	8 734 8	. 50 26.	2 6 Sept.	
			NES.		
FOREIGN					
5000 Alamilios, I, Spain*†	2 0 0	21/4 13/4 21/4 1 % 11/8	0 13 0	2 6Oct.	1870
0000 Australian, c, South Australia	7 7 6	/8 1/8		I D. OCE.	18/01
ovov amendament, c, course auditalia!			0 16	0 6 Aug.	1905

| Source | S

NON-DIVIDEND MINES

NON-DIVIDEND MINES.

August | Patter |

*. Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange, those marked thus ; have paid Dividends.

Lenden: Printed by Richard Middleton, and published by Henry English (the proprietors), at their office, 26, Flest Street, E.C., where all of munications are requested to be addressed.—February 11, 1871.